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SOUTH PENINSULA ANNUAL SALMON MANAGEMENT REPORT, 1994

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## INTRODUCTION

The South Alaska Peninsula (South Peninsula) is a portion of the Alaska Peninsula Management Area (Figures 1 and 2). The South Peninsula consists of Pacific Ocean coastal waters extending west of Kupreanof Point to Scotch Cap on Unimak Island. The South Peninsula is divided into four subareas: (1) the Southeastern District, consisting of waters between Kupreanof Point and McGinty Point; (2) South Central District, consisting of waters between McGinty Point and Arch Point Light; (3) Southwestern District, consisting of waters between Arch Point Light, False Pass, and Cape Pankof; and (4) Unimak District, consisting of waters between Cape Pankof and Scotch Cap (Figures 3-7). The Southeastern District is further subdivided into two areas: (1) the Shumagin Islands Section, consisting of the Shumagin archipelago; and (2) the Southeastern District Mainland, consisting of the waters of Stepovak, Balboa, and Beaver Bays (Figures 3 and 8).

There are two Alaska Department of Fish and Game (ADF&G) offices in the South Peninsula: Sand Point and Cold Bay (Figure 3). In 1990, Sand Point staff assumed responsibility for managing salmon in the Southeastern District. The balance of the South Peninsula salmon fisheries are managed with staff from Cold Bay.

Five species of Pacific salmon are harvested in the Alaska Peninsula Management Area: chinook salmon *Oncorhynchus tshawytscha*, sockeye salmon *O. nerka*, chum salmon *O. keta*, pink salmon *O. gorbuscha*, and coho salmon *O. kisutch*.

Only Commercial Fisheries Entry Commission (CFEC) Area M purse seine, drift gillnet, and set gillnet permit holders are allowed to commercially salmon fish in South Peninsula waters (ADF&G 1992; Figure 9). There are a total of 125 purse seine, 164 drift gillnet, and 114 set gillnet permanent and interim use permits available to commercially salmon fish (Table 1). Nearly all permits are used (make at least one delivery each year). The 1984-93 average number of permits by gear type used in South Peninsula waters was 118 purse seine, 149 drift gillnet, and 73 set gillnet. Most purse seine and set gillnet permits holders fish South Peninsula waters throughout the season, while most drift gillnet permit holders fish South Unimak waters during June and North Peninsula waters during July through September (Table 2). By regulation drift gillnet gear is only allowed in the Unimak District and the Ikatan Bay Section of the Southwestern District. Purse seine, hand purse seine, and set gillnet gear is permitted in most of the South Peninsula; however, within area gear restrictions exist.

Salmon fisheries in the South Peninsula date back to at least 1888 when canneries were reportedly constructed at Orzinski (Orzenoi) Bay and Thin Point Cove. However, the earliest catch records for the South Peninsula are from 1908 (Tables 3 and 4). Early catches in the South Peninsula were predominantly sockeye salmon with a few chinook and coho salmon. The first year in which reported pink and chum salmon catches exceeded 500,000 each was 1916.

A large portion of South Peninsula fisher's earnings comes from harvesting migratory salmon. The South Peninsula interception fisheries include the South Unimak (False Pass) and Shumagin Islands June fisheries (5 AAC 09.365 South Unimak and Shumagin Islands June Salmon Management Plan). The Southeastern District Mainland (Balboa-Stepovak or Stepovak) fishery

intercepts sockeye salmon bound for the Chignik Management Area (5 AAC 09.360 Southeastern District Mainland Salmon Management Plan). The Post June Salmon Management Plan for the Southern Alaska Peninsula (5 AAC 09.366) addresses the interception of salmon from early through mid-July in South Peninsula cape fisheries.

A list of statistical numbers that apply to the 1970-94 fisheries are in Table 5. The definition of statistical fishing areas have changed over time. The reader should be aware of major changes that occurred to the statistical areas during 1990.

The 1974-93 (20-year) average salmon harvest in the South Peninsula was 8,599,115 salmon comprised of 7,722 chinook, 1,836,269 sockeye, 220,302 coho, 5,368,386 pink, and 1,166,436 chum salmon (Table 3). The 1984-93 (10-year) average was higher for each species; the average harvest was 10,936,585 salmon comprised of 9,568 chinook, 2,311,151 sockeye, 315,654 coho, 6,877,890 pink, and 1,422,321 chum salmon.

Pink salmon are the most abundant species produced in South Peninsula streams (Tables 6 and 7; Murphy 1992; McCullough et al. 1994a). Runs fluctuate dramatically from year to year due to the magnitude of parent escapements and environmental conditions. During 1974-93 (20-year average), the commercial pink salmon harvests averaged 5,368,386 and ranged from 60,642 in 1975 to 11,589,258 in 1984 (Table 3). Most systems can produce large runs on both even and odd year cycles, however, most of the streams between Cold Bay and Unimak Bight are basically even year producers. Dry Lagoon and Apollo Creeks on Unga Island also produce more pink salmon during even years (Figure 10). Pink runs usually arrive in substantial quantities by about July 20 and peak about August 1. After August 15-20 the fish quality is usually poor due to water marking.

Chum salmon are second in abundance in South Peninsula waters (Tables 6 and 7; Figure 11). During 1974-93 (20-year average), the commercial chum harvests averaged 1,166,436 salmon and ranged from 71,826 in 1974 to 2,272,495 in 1982 (Table 3). Chum runs are typically more stable than pink salmon runs due to the presence of more than one age class and the tendency for chum salmon to select spawning locations that are less susceptible to scouring and freezing. Chum runs start earlier and last longer than those of pink salmon. There is also a large variation in run timing between different chum stocks.

Sockeye salmon are usually the most important species economically. Most sockeye catches during June occur on stocks bound for Bristol Bay, while most of the sockeye salmon caught in the Southeastern District Mainland fishery are bound for Chignik (Appendix A). The South Peninsula has numerous sockeye salmon stocks which contribute to varying degrees to all South Peninsula fisheries (Tables 6 and 7). Most local stocks are small although Thin Point and Middle Lagoon (Morzhovoi Bay) are believed to have produced substantial runs during the 1920's and 1930's. These systems appear to be returning to high production levels through good escapement monitoring and an aggressive enforcement program. Thin Point and Morzhovoi Lakes are suspected of having rearing capacities greatly in excess of spawning capacities. The potential of producing substantially larger runs through supplemental methods may exist. Orzinski Lake is an important contributing system to Southeastern District catches. During 1974-93 (20-year average), the South Peninsula commercial sockeye harvests averaged 1,836,269 salmon and ranged from 197,153 in 1974 to 3,689,074 in 1993 (Table 3; Figure 12).

Few coho salmon are harvested during June, most are caught incidentally from mid-July through mid-August while fisheries are targeting pink and chum salmon. Historically, South Peninsula coho catches have demonstrated long periods of varying abundance (Figure 13). From 1923 through 1946, catches were at a high level, averaging 148,000 salmon annually (Table 3). During 1947-58, the average harvest decreased to about 50,000 salmon. The 1959-77 average South Peninsula coho harvest was only 12,000 salmon, with only 67 coho salmon harvested in 1975. Catches increased substantially after 1978, averaging 315,654 salmon from 1984-93 (Table 3). In 1988, the largest reported coho harvest occurred, 505,533 salmon. In 1928-50, Aleutian Islands Management Area harvests were combined with the South Peninsula; the Aleutian Islands contribution was probably insignificant. During years when Aleutian Islands coho harvests were separated from the South Peninsula harvest, the largest documented coho harvest in the Aleutians was 4,400 salmon in 1918 and the harvest totaled less than 200 salmon during most years (McCullough et al. 1995).

Chinook salmon are of minor commercial importance in South Peninsula waters. During 1974-93 (20-year average), the commercial chinook harvests averaged 7,722 and ranged from 117 in 1975 to 26,571 in 1983 (Table 3; Figure 14). There are no chinook spawning systems in South Peninsula waters. The Chignik River is the only known chinook salmon producer on the Pacific side of the entire Alaska Peninsula (Quimby and Owen *In Press*; State of Alaska 1993).

All South Peninsula fisheries are usually closed from late August to September 1 to achieve pink and chum salmon escapements. Fisheries after September 1 are self limited to a few purse seine fishers during the first week of September and set gillnet fishers in the Southeastern District through late September or early October.

There are about 185 salmon systems in the South Peninsula area with sockeye salmon found in 23, pink salmon in 110, and chum salmon in 72 (Murphy 1992). To date, 57 South Peninsula coho producing systems have been identified (McCullough et al. 1995). Two methods are used to calculate escapements: 1) indexed escapement (Appendix B), and 2) estimated escapement (Johnson and Barrett 1988). The indexed escapement method is used on non-weired systems where aerial surveys are used to estimate escapements (Appendix B). This method is used inseason and for historical comparisons because the estimated escapement method has only been employed since 1986. Escapement data are mostly limited to sockeye, pink, and chum salmon. Escapement estimates are total indexed counts except for Orzinski and Thin Point Lakes which are currently the only successful weir operations in the South Peninsula (Figure 15). Orzinski (Orzenoi) was weired during 1929-41 and 1990-94. Due to the importance of Orzinski sockeye in determining fishing time for the Northwest Stepovak Section, the amount of attention this area receives in regards to potential Chignik sockeye interception, and the difficulties involved with estimating fish from the air, the weir was reinstated in 1990. Thin Point Lake was first successfully weired in 1994. Thin Point Lake is important in determining commercial salmon fishing time in the Thin Point Section and to ensure that subsistence needs of King Cove and Cold Bay fishers are met. Indexed estimates are probably lower than the actual totals. Consequently there will be differences after 1984 between figures used in area management reports and those in formally published reports (technical data reports, bulletins, etc.) which use different expansion factors.

The 1974-93 (20-year), average total indexed salmon escapement in the South Peninsula was 2,637,601 salmon and included 67,882 sockeye, 2,115,767 pink, and 449,577 chum salmon (Table 7). The 10-year (1984-93) average total indexed salmon escapement of 2,946,841 salmon which includes 76,764 sockeye, 2,376,314 pink, and 485,013 chum salmon is similar to the 1974-93 (20-year) average.

Appendices of this report contain a listing of South Peninsula emergency orders (Appendix A), methodology for determining indexed escapements (Appendix B), a personnel list (Appendix C), and salmon escapement survey counts in the South Peninsula, 1994 (Appendix D). The first Emergency Order for the South Peninsula was effective on May 29 and the last on September 12. There was a total of 92 Emergency Orders concerning South Peninsula fisheries.

A separate report (Nelson and Murphy 1995) will provide estimated catch and escapement age, sex, and length data. Separate in-depth annual salmon management reports will provide an overview of the Alaska Peninsula and Aleutian Islands Management Areas commercial, subsistence, and personal use fisheries (McCullough et al. 1995), the Aleutian Islands Management Area (Shaul and Berceli 1995), Atka-Amlia Management Area (Holmes *In press*), and the North Alaska Peninsula (Murphy et al. 1995) salmon fisheries.

## 1994 SEASON SUMMARY

In 1994, the South Peninsula commercial salmon harvest was 13,674,782 salmon comprised of 9,474 chinook, 2,091,009 sockeye, 251,686 coho, 9,143,703 pink, and 2,178,910 chum salmon (Tables 8 and 9). The 1994 total harvest was the fourth or fifth largest catch since 1908; the total catch was larger during 1993, 1992, 1991, 1984 and perhaps in 1936 (in 1936 South Peninsula catches were combined with Aleutian Islands Area catches). The 1994 South Peninsula chinook harvest was the nineteenth largest (1932, 1934, 1939, 1943, and 1945 catches include both the South Peninsula and Aleutian Islands catches; the Aleutian Islands harvest is usually less than 100 fish; Figure 14). The 1994 harvest of sockeye salmon was the seventeenth largest on record (Figure 12). The coho salmon harvest was the eleventh largest on record (Figure 13). The pink harvest was the seventh largest and the chum harvest was the sixth largest harvest (Figures 10 and 11).

Most chinook, sockeye, and coho salmon were harvested in the Southeastern District and most pink and chum salmon were harvested in the Southwestern District (Table 10). Purse seine fishers harvested 86.8% of all salmon, drift gillnet fishers 5.0%, and set gillnet fishers harvested 8.2% (Tables 11-15). Purse seine fishers caught the majority (79.2%) of the chinook, sockeye (51.1%), coho (64.8%), pink (95.5%), and chum salmon (87.1%).

In 1994, most Area M CFEC permits were used; of the 125 purse seine permits available 118 were used, of the 164 drift gillnet permits available 145 were used and of the 114 set gillnet permits available 79 were used in South Peninsula waters (Table 1).

In 1994, the South Peninsula total indexed escapement of sockeye salmon was 120,255 fish, near the upper escapement goal (67,800-135,600 salmon; Figure 16; Appendix B). The pink salmon

total indexed escapement was 3,073,225 fish, near the upper goal for even year escapements (1,870,000-3,720,000 salmon; Figure 17). The chum salmon total indexed escapement was 601,700 fish, nearly achieving the upper goal (350,000-690,000 salmon; Figure 18). The South Peninsula total estimated escapement was 102,210 sockeye, 34,740 coho, 4,422,605 pink, and 690,404 chum salmon (Table 6; coho escapement data are based on limited surveys).

In 1994, the total estimated value of the South Unimak and Shumagin Islands June fisheries was \$8,054,670, the post June fisheries accounted for \$11,910,730. The yearly exvessel earnings were \$19,965,400, considerably less than the 1984-93 (10-year) average of \$29,805,185 (Tables 16 and 17).

### *South Unimak and Shumagin Islands June Fisheries*

#### **Introduction**

The South Unimak (Figure 19) and Shumagin Islands (Figure 4) June fisheries date to at least 1911 (Table 18). The dominant stocks targeted by these fisheries are Bristol Bay bound sockeye salmon, which has caused controversy between Alaska Peninsula and Bristol Bay fishers for many years (Eggers et al. 1991). During the early to mid-sixties the South Unimak and Shumagin Islands fisheries were open five days a week to commercial salmon fishing (Table 19). During the late sixties to early seventies, the fisheries were open seven days per week regardless of the run strength of Bristol Bay sockeye salmon. This caused many debates at Alaska Fish and Game Board meetings, with special meetings occurring over this issue during the early seventies. South Unimak and Shumagin Islands June management strategy was decided on a year-by-year basis during 1972-1974 due to very low projected Bristol Bay sockeye salmon returns. In 1974, both fisheries were closed during June.

After 1974, the Alaska Board of Fisheries (BOF) implemented an allocation plan where the South Unimak and Shumagin Islands June fisheries would be granted an annual guideline harvest level based on the predicted Bristol Bay inshore sockeye salmon harvest. Based on historic catch data, 6.8% of the forecasted inshore Bristol Bay harvest was allocated to the South Unimak June fishery and 1.5% was allocated to the Shumagin Islands fishery. To reduce the possibility of overharvesting any segment of the Bristol Bay run, the guideline harvest was allocated to discrete time periods based on historical catch data. The allocation in percent by time period is as follows:

<u>Time Periods</u>	<u>South Unimak</u>	<u>Shumagin Islands</u>
June 1 - 11	5%	9%
12 - 18	29%	28%
19 - 25	51%	41%
<u>26 - 30</u>	<u>15%</u>	<u>22%</u>
Total	100%	100%

If the guideline harvest for an individual time period was not reached, the unharvested portion was lost to the fishery. If the guideline harvest for an individual time period was exceeded, the overharvest was subtracted from the total season allocation.

Chum salmon are harvested incidental to the targeted sockeye salmon during the South Unimak and Shumagin Islands June fisheries. In 1982, an unusually large harvest of 1,095,044 (Tables 20-23) chum salmon occurred. The fall Yukon River chum salmon returns were weak that year which increased concerns of Arctic-Yukon-Kuskokwim (AYK) fishers who wished to curtail or eliminate the South Peninsula June fisheries. Unlike sockeye, which are predominantly bound for Bristol Bay and which have recently had large returns; chum salmon are bound for a variety of areas ranging from Japan to Kotzebue to Prince William Sound, and have recently had poor returns, especially in AYK river systems (Eggers et al. 1991, Ogura and Ito 1994, Kron 1994).

In 1984, in an effort to decrease the chum salmon catch, the BOF placed further restrictions on the fishery. The new restrictions consisted of allowing no more than 96 hours of fishing during a seven day period and no more than 72 consecutive hours of fishing. This regulation allowed for closed fishing periods (referred to as windows) between open periods to increase the opportunity for chum salmon to escape the South Peninsula June fisheries.

During 1986 only, the following additional restrictions also applied:

1. No fishing prior to June 11.
2. No fishing during June 26-30 and the loss of that periods allocation.
3. A 400,000 chum salmon catch limit (chum cap).

These restrictions, plus low availability of sockeye salmon, resulted in only 471,397 of the 1,107,000 sockeye salmon allocation being harvested.

The fall 1986 BOF meeting adjourned (with three members resigning), without taking action on the South Unimak and Shumagin Islands June fisheries. The regulations passed in 1986 were rescinded and the 1987 fisheries were managed similar to the 1984-1985 June fisheries.

A sockeye and chum salmon tagging project in the South Unimak and Shumagin Islands fisheries was conducted during June, 1987. The project indicated that chum salmon are essentially from every stock in the North Pacific and Bering Sea while the majority of the sockeye salmon were from Bristol Bay (Eggers et al. 1991). The Yukon River fall chum salmon stock was one of the major concerns for this study; the contribution of this stock to the South Peninsula June fisheries was considered small (Eggers et al. 1991).

During the spring 1988 BOF meeting, a 500,000 (fish) chum cap was placed on the South Unimak and Shumagin Islands June fisheries (once a total of 500,000 chum salmon were harvested the fishery will be closed; Shaul and Schwarz 1989). During many years, it would be difficult or impossible to harvest the sockeye salmon allocation due to the chum salmon cap. In 1988, the South Unimak sockeye harvest was reduced by an estimated 669,000 salmon due to the 500,000 chum cap. The 669,000 reduction was in addition to an estimated 117,000 sockeye salmon forfeited from other management plan restrictions (ie. no more than 96 hours to be fished in any 7 day period and nor more than 72 consecutive hours). The Shumagin Islands fishery harvested its 1988 sockeye allocation.

In 1989, South Peninsula fishers harvested the June sockeye allocation (Shaul et al. 1990). However, this was due to a low Bristol Bay forecast, and consequently low South Unimak and

Shumagin Islands allocations (Tables 24-26). If the Bristol Bay inshore sockeye harvest had been perfectly predicted, the South Unimak fishery harvest would have been approximately 400,000 sockeye short of its allocation, due to the 500,000 chum cap. Sockeye catch rates were so high in the Shumagin Islands that fishers there could have easily harvested an accurate forecast before the chum cap was reached.

Following the 1989 season, the BOF made the following changes to the South Unimak and Shumagin Islands June fisheries (ADF&G 1992; Appendix A):

1. The starting date of the fishery was delayed until June 13; the sockeye to chum salmon ratio usually improves after June 12.
2. The chum cap for both fisheries combined was raised from 500,000 to 600,000 salmon.
3. The "window regulations" were eliminated, there did not seem to be a need for both a chum salmon cap and windows (Eggers et al. 1991).
4. The sockeye allocations and time periods became the same for each fishery.

<u>Time Periods</u>	<u>South Unimak and Shumagin Islands</u>
June 13 - 18	35%
19 - 25	45%
<u>26 - 30</u>	<u>20%</u>
Total	100%

If catches in either fishery fall below the guidelines in the June 13-18 period, those unharvested sockeye salmon up to a maximum of five percent of the total allocation for that fishery may be harvested during the June 19-25 period. The June 26-30 period cannot be used to make up for underharvests during the first two periods. Available data and understanding of the data indicated that the sockeye salmon stock composition between the first two periods was very similar, however the June 25-30 stock composition at South Unimak and the Shumagin Islands fisheries may be dominated by fewer and later running stocks.

5. Unlimited seine leads were eliminated at South Unimak, leads of 50 to 150 fathoms are the only legal lengths for the entire Alaska Peninsula.
6. Maximum depth restrictions were placed on all seine and gillnet gear. For the entire Alaska Peninsula Area, seine depths may not exceed 375 meshes in depth. Seine mesh may not exceed 3-1/2 inches except the first 25 meshes above the lead line may not be more than 7 inches. Gillnet gear used in South Peninsula waters may not exceed 90 meshes in depth.



7. The area comprising the South Unimak fishery was extended to include the following portions of the Southwestern District located outside the Ikatan Bay Section:
  - (a) all waters north and west of a line from Cape Pankof Light to Thin Point.
  - (b) all waters enclosed by a line from Thin Point to Stag Point on Deer Island to Dolgoi Cape and from Bluff Point on Dolgoi Island to Arch Point.

In 1990, sockeye salmon were not available in large numbers at either the Shumagin Islands or South Unimak fisheries despite the fact that Bristol Bay experienced one of its largest runs on record (Shaul et al. 1991). Windy weather plagued fishing operations but fish abundance also seemed low, especially in view of the large run to Bristol Bay. The Shumagin Islands sockeye salmon harvest was 255,585 salmon with a guideline harvest of 240,000 (Table 26). During June, the Shumagin Islands fishery was open to commercial salmon fishing a total of 198 hours during 9 days (Table 27). The South Unimak fishery sockeye salmon harvest was 1,090,710 salmon with a guideline harvest of 1,087,000 (Table 25). During June, the South Unimak fishery was open to commercial salmon fishing for 267 hours during 13 days (Table 27). The total chum harvest was 518,739 salmon, consisting of 63,501 salmon from the Shumagin Islands fishery and 455,238 salmon from the South Unimak fishery (Tables 20-23).

If the 1990 Bristol Bay forecast had been perfectly forecast, the South Unimak and Shumagin Islands guideline harvest levels would have been substantially higher (2,371,000 and 523,000 respectively; Tables 24-26). However, due to the 600,000 chum ceiling, the South Unimak fishery would have been about 1,050,000 sockeye salmon short of its allocation while the Shumagin Islands fishery would have been about 35,000 sockeye salmon short of its corrected allocation. If there were no chum salmon cap, the Shumagin Islands fishery would have easily taken its sockeye salmon allocation, with an estimated chum salmon harvest of about 135,000 salmon. Even without a chum salmon cap, the South Unimak fishery would have harvested only about 1,600,000 of its corrected sockeye salmon allocation while harvesting an estimated 700,000 chum salmon.

The 1991 regulations governing the South Peninsula fisheries were similar to the 1990 regulations. In 1991, the Shumagin Islands June sockeye salmon harvest was 333,272 salmon, slightly below the 347,000 allocation and the chum salmon harvest was 102,602 salmon (Tables 23 and 26; Shaul et al. 1992). At South Unimak the sockeye catch was 1,216,035 salmon, well below the 1,573,000 allocation (Table 25). The South Unimak fishery chum salmon harvest was 670,409 salmon; when combined with the Shumagin Islands fishery chum salmon catch the total harvest equalled 773,011 salmon, which exceeded the 600,000 chum salmon cap and by regulation both fisheries closed.

In November 1991, the BOF changed the South Unimak and Shumagin Islands June chum cap from 600,000 fish to 40 percent of the sockeye salmon allocation and the chum cap was not to exceed 900,000 chum salmon. Due to the large 1992 Bristol Bay sockeye salmon forecast, the chum salmon cap was established at 900,000 salmon. The 900,000 chum salmon cap generated a great deal of debate with Arctic-Yukon-Kuskokwim (AYK) Region fishers. The BOF relied extensively on the 1987 South Unimak and Shumagin Islands chum and sockeye salmon tagging study when they increased the chum cap (Eggers et al. 1991). An error found in the 1987

tagging study indicated that the study had underestimated the impact of the South Unimak and Shumagin Islands June fisheries on AYK chum salmon stocks, including those of Norton Sound. This discovery provided enough new information for the South Unimak and Shumagin Islands chum salmon cap issue to be reconsidered at the March 1992 BOF meeting in Juneau. After reconsideration, the BOF changed the chum salmon cap to an annual 700,000 fish limit (ADF&G 1992).

Prior to the 1992 South Peninsula June fisheries, ADF&G took action to minimize the harvest of chum salmon. ADF&G closed waters around Sanak Island, bounded by the latitude of Hague Rock and the longitude of Cape Pankof Light below Hague Rock's latitude to commercial salmon fishing during June (Figure 19; Shaul et al. 1993). Historically, Sanak Island waters had been fished sporadically, but had produced unacceptably low sockeye to chum salmon ratios.

In 1992, the South Unimak harvest was 2,046,022 sockeye and 323,891 chum salmon (Table 22). The Shumagin Islands fishery produced a harvest of 411,834 sockeye and 102,312 chum salmon (Table 23). The Shumagin Islands sockeye catch was below the 432,000 allocation, while the South Unimak fishery exceeded its' sockeye allocation by 87,022 salmon. Because the total June sockeye catch (2,457,856 salmon) exceeded the combined June allocation (2,391,000 salmon) both fisheries were closed. The combined chum harvest was 426,203 salmon, well below the 700,000 chum cap (Table 21). If the 1992 Bristol Bay forecast has been perfectly forecast, the combined South Unimak and Shumagin Islands guideline harvest levels would have been 2,857,000 salmon (Table 24). If the perfect forecast was available, the South Unimak and Shumagin Islands fisheries may have been able to harvest the additional 399,144 sockeye salmon and remained below the 700,000 chum cap.

In 1993, the South Unimak harvest was 2,366,573 sockeye and 381,941 chum salmon (Table 22). The Shumagin Islands harvest was 607,171 sockeye and 150,306 chum salmon (Table 23). For both fisheries combined the harvest was 2,973,744 sockeye and 532,247 chum salmon (Table 21). The Shumagin Islands sockeye harvest was 83,171 sockeye above its' allocation, while the South Unimak fishery was 8,427 sockeye below its' allocation (Table 25 and 26). The guideline harvest level was exceeded in the Shumagin Islands mainly due to the unreported harvest of some salmon taken in the Shumagin Islands fishery but delivered in the South Unimak fishery. This occurred when some purse seine fishers moved from the Shumagin Islands to the South Unimak area. These landings were not reported to the Sand Point management staff. For both fisheries combined the harvest was 2,973,744 sockeye and 532,247 chum salmon (Table 21); 74,744 sockeye salmon more than the guideline harvest level and 167,753 chum salmon less than the cap.

Test fishing in the Shumagin Islands during June was instituted in 1990 to aid the South Peninsula management staff in determining sockeye to chum salmon ratios and salmon average weights by species (Shaul et al. 1993). ADF&G attempts to have commercial salmon fishing periods when the harvest of sockeye salmon is expected to be high in relation to the chum salmon harvest. The ratio of sockeye to chum salmon is normally low in early June, highest when the sockeye run peaks during mid to late June and during some years is again low during late June (Shaul et al. 1992). From 1970-92, most sockeye and chum salmon were harvested during June 12-26 in both the Shumagin Islands and the South Unimak fisheries.

Test fishing occurs before the June 13 regulated opening date and between commercial salmon fishing periods, if time allows, to determine the most favorable periods of sockeye to chum salmon ratios. Test fishing was standardized to purse seine gear making 20 minute sets at Popof Head, Middle Set, and Red Bluff; additional sets are made if time allows (Figure 20; McCullough and Shaul 1992). During off-loading, the catch is separated by species, counted, and weighed. Purse seine vessels are selected randomly from a list of skippers that have expressed an interest in the test fishery. The skipper and vessel crew are aboard as well as an ADF&G observer.

In 1990, test fishing occurred on June 10 and resulted in a 3.8:1.0 sockeye to chum salmon ratio and the fishery was opened on June 13 (Shaul et al. 1991). In 1991, test fishing occurred on June 9-13 (Shaul et al. 1992). On June 14 the sockeye to chum salmon ratio was 4.7:1.0. In 1991, the first fishing period occurred on June 15, the commercial ratio was 3.4:1.0. In 1992, test fishing in the Shumagin Islands occurred on June 9-13 (Shaul et al. 1993). The ratio of sockeye to chum salmon on June 13 was 3.3:1.0. The first commercial period was on June 15, and the Shumagin Islands ratio was 3.4 sockeye to chum salmon and 8.5 sockeye to chum salmon in the South Unimak fishery. In 1993, test fishing in the Shumagin Islands Section on June 7-10 resulted in acceptable sockeye to chum salmon ratios (4.6:1.0, 8.2:1.0, 3.6:1.0, and 8.2:1.0; McCullough et al. 1994a). The first Shumagin Islands commercial fishing period on June 13 resulted in a 9.4:1.0 ratio and the South Unimak June 13 period resulted in a 7.5:1.0 ratio.

It is not known what impact the reduction in gear depth, adopted by the BOF prior to the 1990 season had on gear efficiency or if the gear reduction caused a reallocation of the salmon resources between gear types. There are too many other factors influencing the harvest each year to determine how the gear changes alone effect the harvest (ADF&G 1992).

### **South Unimak and Shumagin Islands June 1994 Season Summary**

Prior to the 1994 commercial salmon season, the BOF eliminated the time period requirements and set June 11 as the earliest potential opening date of the South Unimak and Shumagin Islands fisheries. The BOF action gave ADF&G the flexibility to establish fishing periods based on favorable sockeye to chum salmon ratios (McCullough and Pengilly 1994).

Based on the 1994 Bristol Bay forecast, the 1994 sockeye salmon guideline harvest levels were as follows (Beverly Cross, ADF&G Anchorage, personnel communication):

June	Percent	South Unimak	Shumagin Islands	Total
Total	100%	2,938,000	648,000	3,586,000

Test fishing in the Shumagin Islands during June 4-17 indicated low catch rates of sockeye and mediocre to poor sockeye to chum ratios (Table 28). Test fishing in the South Unimak area produced mixed results, with an increasing trend in the sockeye to chum ratio (Table 29). The South Unimak fishery opened to commercial salmon fishing on June 17 and the Shumagin Islands

open on June 18 (Tables 30-37). ADF&G determined that the fisheries would have to open by these dates to have any chance of harvesting their respective allocation.

In 1994, the Shumagin Islands fishery was open during 13 days and the South Unimak fishery was open during 14 days (Table 27). The South Unimak fishery catch totaled 1,001,250 sockeye and 374,409 chum salmon (Tables 30-34); the fishery was 1,936,750 sockeye salmon under the guideline harvest level (Table 25). The Shumagin Islands fishery catch totaled 460,013 sockeye and 207,756 chum salmon (Tables 34-38); the fishery was 187,987 sockeye salmon under the guideline harvest level (Table 26). For both fisheries combined the catch was 1,461,263 sockeye and 582,165 chum salmon (Table 34); 2,124,737 sockeye salmon less than the guideline harvest level and 117,835 chum salmon less than the cap (Table 24). The guideline harvest level was not met because sockeye salmon were not available in large numbers in either fishery. Fishers reported unusual currents and colder than normal inshore water temperatures.

During the 1994 June fishery, purse seine fishers harvested 57.3% (573,247; Tables 31 and 39) of the South Unimak sockeye salmon and 75.4% (346,923; Tables 36 and 39) of the sockeye salmon caught in the Shumagin Islands. Drift gillnet and set gillnet fishers accounted for 37.1% (371,103) and 5.7% (56,900) of the South Unimak sockeye salmon harvest, respectively (Tables 32-33 and 39). Set gillnet fishers accounted for 24.6% (113,090) of the Shumagin Islands sockeye salmon harvest (Tables 37 and 39). Purse seine fishers harvested 63.9% (239,286; Tables 31 and 39) of the South Unimak chum salmon and 96.5% (200,577; Tables 36 and 39) of the chum salmon caught in the Shumagin Islands. Drift gillnet and set gillnet fishers harvested 34.6% (129,530) and 1.5% (5,593) of the South Unimak chum salmon, respectively (Tables 32-33 and 39). Set gillnet fishers accounted for 3.5% (7,179) of the Shumagin Islands chum salmon harvest (Tables 37 and 39). For both fisheries combined purse seine fishers harvested 63.0% of the sockeye and 75.6% of the chum salmon, drift gillnet fishers harvested 25.4% of the sockeye and 22.2% of the chum salmon, while set gillnet fishers harvested 11.6% of the sockeye and 2.2% of the chum salmon (Tables 40 and 41; Figures 21 and 22). During June, the sockeye to chum salmon ratio at South Unimak was 2.67:1.0 and in the Shumagin Islands was 2.21:1.0 and for both fisheries combined was 2.51:1.0 (Tables 42 and 43). During June 114 purse seine, 145 drift gillnet, and 65 set gillnet permit holders commercially fished in the South Unimak and Shumagin Islands fisheries (Table 44).

### ***South Peninsula Post June Fisheries***

#### **Introduction**

Post June text and data will be presented as: 1) South Peninsula as a fishery (Figure 23); 2) Southeastern District as a fishery with the Shumagin Islands fishery treated separately from the Southeastern District Mainland fishery; 3) McGinty Point to Moss Cape area; 4) Belkofski to Kenmore Head area; and 5) Kenmore Head to Scotch Cap area. Reasons for discussing the post June fisheries in these units include: 1) the Southeastern District Mainland fishery has a separate management plan from the balance of the South Peninsula (5 AAC 09.360; Figure 8); 2) the Shumagin Islands Section is a manageable area to discuss separately; 3) the McGinty Point to Moss Cape area, although noted for its local pink and chum production, also harvests migratory sockeye salmon in cape areas; 4) the Belkofski to Kenmore Head area harvest is dominated by

pink and chum salmon with local sockeye runs in Thin Point Cove, Cold Bay and Morzhovoi Bay, but also includes migratory sockeye salmon of unknown origin which are harvested in the vicinity of Belkofski Bay, Deer Island, and King Cove; and 6) the Kenmore Head to Scotch Cap area combines the only area in South Peninsula waters where drift gillnet gear is allowed (Figures 9 and 23). Post June South Peninsula tags from sockeye salmon have been returned from South and North Peninsula systems, Bristol Bay, Chignik, Kodiak, and Cook Inlet (McCullough 1990).

Prior to 1992, South Peninsula waters east of Rock Island (Figure 24) opened to commercial salmon fishing about July 6, except in the Southeastern District Mainland fishery, which is managed prior to July 26 on a separate management plan (Appendix A: 5 AAC 09.360). Prior to 1976, post June South Peninsula fisheries were open five days per week, with total season closures on August 10 to provide adequate escapement and maintain product quality (McCullough et al. 1994a). From about 1976 to 1991, the salmon fishery was managed by emergency order based on local stock run strength. Fishing periods from July 6 to about July 18 were based on chum salmon run strength, and from July 18 through about August 20 on pink salmon run strength (Figures 10 and 11). Fishing continued into late August in years of strong pink runs. Migratory salmon were also harvested during these openings, and contributed a substantial portion of the total harvest in some years (Figures 12 and 13). Emergency orders based on coho runs allowed fishing in September.

In November 1991, the BOF established the Post June Salmon Management Plan for the South Alaska Peninsula (Appendix A: 5 AAC 09.366; McCullough 1995). This plan allows for the harvesting of local stocks through July 19 in terminal areas, but closes the remainder of the South Peninsula formerly opened in post June fisheries (Figure 25). The BOF decision was based on the concept that local pink and chum salmon could be caught in terminal areas early in the season without sacrificing product quality, while at the same time allowing migratory salmon to pass through the South Peninsula area. After July 19, the board concluded that South Peninsula fishers needed to catch pink salmon in their traditional cape harvest areas to maintain product quality and to allow for available processing capacity. Under this new plan, commercial salmon fishing from July 6-19 was to be restricted to terminal fishing areas opened by emergency order, based on local stock run strength as gauged by harvest and escapement rates. These areas include Zachary Bay and Inner Pavlof Bay, and the Cold Bay, Thin Point, Canoe Bay, and Morzhovoi Bay Sections (Figure 26). From July 20 through the remainder of the commercial salmon season, the entire South Peninsula could be opened to commercial salmon fishing by emergency order based on local stock strength.

After the closure of South Peninsula June fisheries, fishers had the choice of moving to areas within the Alaska Peninsula Management Area remaining open (portions of the North Peninsula and Aleutian Islands), remaining in the South Peninsula area for likely one day a week fishing periods, or to remain on the beach until July 20.

In accordance with an order issued on July 10, 1992 by the Alaska State Superior Court, an injunction staying the enforcement of 5 AAC 09.366 (the Post June Salmon Management Plan for the South Alaska Peninsula), a commercial salmon fishing period was announced for July 13-14, 1992; additional fishing periods were announced as conditions warranted (Shaul et al. 1993).

In March 1993, the Alaska State Superior Court reconsidered the 1992 injunction staying the enforcement of the Post June Salmon Management Plan. After reconsideration the court agreed with the State of Alaska and the Post June Salmon Management Plan was again in effect for the 1993 commercial fishing season.

Since 1974, post June catches of all species in the South Peninsula have averaged 6,377,438 salmon and ranged from 88,838 (1975) to 12,822,334 salmon (1984; Table 45). Harvests have been more than one million salmon since 1975. The 1974-93 (20-year) harvest averaged 3,248 chinook, 436,023 sockeye, 219,108 coho, and 4,985,945 pink, and 733,114 chum salmon. The 1984-93 (10-year) average harvest, indicates an increased catch of each species as compared to the 20-year average. The 1984-93 (10-year) average harvest was 8,443,428 salmon comprised of 4,171 chinook, 671,708 sockeye, 313,590 coho, 6,516,311 pink, and 937,649 chum salmon. Most post June South Peninsula salmon are harvested with purse seine gear although the sockeye salmon catch is more evenly distributed between purse seine and set gillnet gear (Tables 46-49).

The 1974-93 (20-year) average indexed salmon escapement in the South Peninsula was 2,637,601 salmon and included 67,882 sockeye, 2,115,767 pink, and 449,577 chum salmon (Table 7). The 1984-93 (10-year) average was similar to the 20-year average. The 10-year indexed salmon escapement was 2,946,841 salmon and included 76,764 sockeye, 2,376,314 pink, and 485,013 chum salmon.

### **Immature Salmon Concerns**

Immature salmon catches were first brought to the attention of ADF&G in 1963. In 1990, ADF&G instituted and standardized a test fishery prior to commercial fishing periods in July, in Shumagin Islands waters to determine the presence and abundance of immature salmon (McCullough and Shaul 1992, McCullough et al. 1994a). During normal fishing operations, immature chinook, sockeye, and chum salmon are sometimes inadvertently gilled in purse seine gear in South Peninsula waters.

The presence of immature salmon in South Peninsula waters has caused the curtailment of all commercial fishing in affected areas during late June or July in 1963, 1968, 1969, 1974, 1979, and purse seine fishing during 1989-92 (McCullough et al. 1994a). After 1979, regulations were adopted curtailing only purse seine fishing in affected areas (ADF&G 1992). The problem associated with catching immature salmon is restricted to the purse seine fleet. Immature salmon are gilled in the seine webbing resulting in what is likely a 90-100% mortality factor. By regulation, seine mesh size may not be more than 3-1/2 inches except for the first 25 meshes above the lead line, which may not be more than 7 inches (ADF&G 1992). By regulation, gillnet mesh size can not be less than 5-1/4 inches; the larger mesh size in gillnet gear allows for unrestricted passage of immature salmon through gillnet gear.

Historically, immature salmon cause the greatest problem in the Shumagin Islands Section. In the Shumagin Islands Section, most purse seine fishing effort occurs in the near shore waters of Popof Island from Popof Head to Red Bluff (Figure 20). Deep near shore water allows nets to be deployed close to the beach. Twenty-minute sets, in vessel rotation, are used to catch salmon migrating westward. When immature salmon are present, about 71 purse seine permit holders must either remain on the beach or move to other open areas that are not as productive as the

Shumagin Islands. Immature salmon usually migrate out of the Shumagin Islands Section by July 23, although in 1992 closures remained in effect until July 29.

In 1990, test fishing was standardized to commercial purse seine gear making 20 minute sets and fully pursing the gear (ADF&G 1992). Sites used to set the gear included: Popof Head, Middle Set, and Red Bluff (Figure 20). Additional sets were made if time allowed. If large numbers (greater than 1,000) of immature salmon were observed being gilled during any set, the set could be terminated prior to the 20 minute time limit. Each day a permit holder was randomly selected from a list of permit holders interested in the test fishery. The permit holder supplied all necessary fishing material and crew, while ADF&G supplied a biologist to count and identify by species the number of immature and mature salmon per set. Immature salmon were defined as any salmon gilled in seine webbing and weighing less than three pounds per fish (salmon below this weight are refused by buyers). Mature salmon were sold to pay charter cost and immature salmon were dumped at sea, unless they could be given away for subsistence use. During off-loading the mature catch was separated by species, counted, and weighed (McCullough and Shaul 1992).

Immature salmon gilled in seine web have been opportunistically sampled in the Shumagin Islands. Since all catch sampling occurred before sorting within the fishing vessel and cannery, there was no preselection of immature salmon. Although not tested, each sample was assumed to be representative of the bycatch within the Shumagin Islands. While this insured that samples were randomly selected from each fishing vessel sampled, the samples may not be characteristic of the population structure because the distribution of the population is unknown in the fishery. Age has been determined by examining scales (McCullough and Shaul 1992). Length measurements have been taken from mid-eye to fork-of-the-tail. Sex compositions and sexual maturity have been computed for each sample. Sex and sexual maturity were determined by internal observation of the gonads (McCullough and Shaul 1992).

#### **Post June Fisheries 1994 Season Summary**

Prior to the general South Peninsula fishing period of July 20, ADF&G chartered purse seine vessels from July 14-18 to determine the abundance of immature salmon (Table 50). Test fish results from the Shumagin Islands were used as an indication of the presence of immature salmon in the South Central, Southwestern, and Unimak Districts of the South Peninsula. Portions of these districts have been closed to purse seine gear at times due to the presence of immature salmon. During the test fishery of July 14-17, immature salmon were not caught in substantial numbers. Test fishing on July 18 indicated an increasing presence of immature salmon. ADF&G preceded with a commercial salmon fishing period on July 20-22. ADF&G observations of the seine fleet during the July 20-22 fishing period indicated that the immature catch was at an acceptable level. The fishing period was extended but observations on July 24 indicated that the catch of immature salmon had increased and the Shumagin Islands Section was closed to commercial salmon fishing with purse seine gear. On July 24, ADF&G observations of seven purse seine sets indicated an average of 212 immature salmon per set were caught (personnel communication, Rod Campbell, Kodiak). During the test fishery of July 25-27, the catch of immature salmon indicated a decreasing trend and the Shumagin Islands Section was reopened to commercial salmon fishing with purse seine gear on July 29, during the remainder of the fishing season, the immature catch was acceptable (probably averaging less than 1 immature

salmon per set) and did not warrant further purse seine closures. In 1994, test fishing indicated that most immature fish were sockeye salmon, on a daily basis were averaging 57.4% to 98.6% of the immature catch. Chinook and chum salmon made up most of the remainder of the immature catch (Table 50).

In 1994, the post June South Peninsula salmon harvest was 9,034,973 salmon comprised of 1,726 chinook, 541,108 sockeye, 250,079 coho, 6,648,470 pink, and 1,593,590 chum salmon (Table 49). The 1994 post June harvest of chinook, sockeye, and coho salmon was less than the 1984-93 (10-year) average, while the pink and chum catch was greater than the 1984-93 (10-year) average. The chinook harvest was the smallest since 1985; the sockeye harvest was lowest since 1987; the coho harvest was the second lowest since 1988 (Table 49). In 1994, the pink harvest was near the 10-year average and the chum harvest was the largest on record (Table 49). Purse seine fishers harvested most of the chinook (76.5%), coho (64.7%), pink (95.0%), and chum (91.5%); while set gillnet fishers caught most of the sockeye salmon (69.4%; Tables 51-55; Figures 24-25).

During the time period July 1-19, most salmon were caught in the Southeastern District Mainland fishery (Appendix A: 5 AAC 09.360). In those areas allowed to be open under authority of the Post June salmon management plan for the Southern Alaska Peninsula (Appendix A: 5 AAC 09.366) the catch totaled 30,839 salmon comprised of 15 chinook, 26,477 sockeye, 348 coho, 2,449 pink and 1,550 chum salmon (Tables 8, and 56-58; Figure 26; McCullough et al. 1994b).

When comparing reporting areas (Southeastern District, McGinty Point to Moss Cape, Belkofski Bay to Kenmore Head, and Kenmore Head to Scotch Cap) most post June salmon were harvested in the McGinty Point to Moss Cape area, followed by the Belkofski Bay to Kenmore Head area, the Southeastern District and the Kenmore Head to Scotch Cap area (Tables 59-77). Within the South Peninsula most chinook, sockeye, and coho were harvested in the Southeastern District while most pink salmon were harvested in the Belkofski Bay to Kenmore Head area and most chum salmon were harvested in the McGinty Point to Moss Cape area. In the Southeastern District most sockeye salmon were harvested in the Southeastern District Mainland fishery and most coho salmon were harvested in the Shumagin Islands Section (Tables 59-64).

The 1994 South Peninsula total indexed escapement was 3,795,180 salmon comprised of 120,255 sockeye, 3,073,225 pink, and 601,700 chum salmon (Table 7). No chinook spawn in South Peninsula waters and coho salmon escapement data are not collected annually. The 1994 sockeye indexed escapement was the second largest since 1962, exceeded only by the 1991 escapement (Figure 16). The pink escapement was also the second largest since 1962, exceeded only by the 1984 escapement (Figure 17). The chum indexed escapement was the third largest since 1962, exceeded only by the escapement in 1984 and 1987 (Figure 18). Using the indexed total escapement and only post June salmon catches, the South Peninsula pink salmon run was an estimated 9,724,414 salmon and the chum salmon run was an estimated 2,172,690 salmon (Tables 78-80). The 1994 total indexed sockeye escapement was 120,255 salmon (Table 7). Orzinski, Thin Point Lake, and Middle Lagoon were the primary production areas of local sockeye stocks (Table 6; Figure 15). In 1994, these areas met escapement goals while Mortensen Lagoon and Acheredin Lake had only fair escapement; sockeye systems on Sanak Island were not surveyed. In 1994, only Thin Point Lake was surveyed for coho salmon, the highest count (which may not have been the peak count), was about 13,000 salmon, well above the in-river escapement goal of 4,500 to 7,500 coho salmon. In 1994, pink escapements were generally excellent with only



a few minor streams near McGinty Point, Sandy Cove, and the Kupreanof Peninsula being below escapement objectives. The only streams that substantially exceeded their goals were on Deer Island. Chum escapements generally met escapement objectives. Escapements were excellent at Sandy Cove, Volcano Bay, Belkofski Bay, Russel Creek, and King Cove Lagoon. Escapements were below objectives at Long John Lagoon and the Stepovak River.

Using expansion factors for sockeye and coho salmon and the area-under-the-curve method (Johnson and Barrett 1988) to determine pink and chum salmon escapements, the South Peninsula estimated total escapement was 102,210 sockeye, 34,740 coho, 4,422,605 pink, and 690,404 chum salmon (Table 81; coho escapement data is incomplete due to the late timing of the runs). The 1994 estimated total sockeye escapement (102,210 salmon) was 4,213 salmon less than the 1986-93 average of 106,423. The estimated total pink salmon escapement (4,422,605 salmon) was 1,459,458 salmon greater than the 1986-93 average (2,963,147 salmon) and the chum salmon estimate (690,404 salmon) was 140,081 more than the average (550,323 salmon).

***Southeastern District.*** The Southeastern District is divided into two fisheries: 1) Southeastern District Mainland fishery (SEDM) and 2) Shumagin Islands fishery (Figure 3).

### **Southeastern District Mainland Fishery**

#### ***Introduction***

Although the SEDM fishery typically occurs from mid-June through mid-September the discussion of this fishery is included in the post June fisheries section of this report because most of the fishery occurs post June. The SEDM fishery is unique in many respects to other fisheries and has a management plan separate from the balance of the Alaska Peninsula (McCullough and Campbell 1994; Appendix A: 5 AAC 09.360).

The Southeastern District Salmon Management Plan covers the time period from June 1 (the beginning of the salmon season) through July 25 for fishing activity in the SEDM area of the Southeastern District. This plan allocates a percentage of the Chignik sockeye salmon harvest in the SEDM fishery to South Peninsula purse seine and set gillnet limited entry permit holders when specific biological and harvest criteria are met in Chignik. After July 25, when the management plan is no longer in effect, fishing periods through August are based on pink and chum runs, while in September and October they are based on pink, chum, and coho runs. The earliest date of the first landing from 1970-93 occurred on June 4, 1984 and the latest date of the last landing occurred on October 9, 1987.

The SEDM fishery includes Beaver Bay, Balboa Bay, Southwest Stepovak, Northwest Stepovak, Stepovak Flats, and East Stepovak Sections (Figure 8). Fishing effort during June and most of July is primarily targeted on Chignik destined sockeye salmon except in Orzinski Bay, where effort is targeted on the local Orzinski sockeye salmon run (Appendix A). The Southeastern District Salmon Management Plan allocates seven percent of the total Chignik destined sockeye harvest to fishers in the SEDM fishery. Besides the local sockeye salmon run at Orzinski Lake in the Northwest Stepovak Section, there is an early July chum salmon run in the Stepovak Flats Section. Orzinski Bay and the Stepovak Flats Section are managed on a local stock basis

throughout the season. After July 25, the entire area is managed for local stocks, primarily pink and chum salmon through August 31 and coho salmon in September and October.

During late-July through mid-August pink and chum runs are peaking. The fishery is usually closed during mid-to-late-August to top off escapements and is opened again in September for coho salmon. Sockeye salmon are migrating through the area during the entire season.

Through July 25, as near as possible to seven percent of the total estimated Chignik destined sockeye catch is allowed to be taken in that portion of the SEDM located outside Orzinski Bay. However, if it appears that the Chignik Management Area sockeye catch will not reach 600,000 through July 25, then there will be no commercial fishery targeting Chignik sockeye salmon in the SEDM prior to July 26. Similarly, in the Kodiak Management Area, salmon fishing is restricted when fishers target Chignik destined sockeye salmon in the Cape Igvak Section. No fishing targeting Chignik stocks in the SEDM or Cape Igvak fisheries is allowed until the run passing through those locations is assessed to be in excess of escapement requirements. The assessment is made by the Chignik Area Management Biologist. The total Chignik destined sockeye catch is estimated by adding 80 percent of the SEDM (excluding the harvest in Orzinski Bay) catch, 80 percent of the Cape Igvak catch, plus the entire Chignik Management Area sockeye catch. The present management plan has evolved from allocation plans that were first used for the SEDM during the 1985 season. A similar plan has been used at Cape Igvak since 1978.

Historically, the SEDM fishery produced minor harvests. During 1974 through 1977, the fishery was open on a day to day basis with Chignik Lagoon. During some years, such as 1977 (when little fishing time was required to harvest large runs in Chignik Lagoon and daily interception rates in the SEDM area were low), the result was a disastrous season for SEDM fishers.

For the 1978 season, the BOF allowed three fishing days per week in the SEDM fishery through July 10 and made set gillnets the only legal gear during that period. Interception rates were low despite strong Chignik runs and catches were poor for the few set gillnet fishers in the SEDM fishery. From 1970 through 1978, an average of 18 set gillnet permit holders participated in the fishery.

During the winter of 1978-79, the BOF increased fishing time to five days per week but specified that not more than 60,000 Chignik sockeye salmon could be taken through July 10. However, the fishery could be closed if it became apparent that a closure was needed to assure the attainment of Chignik escapement requirements. Also, if the Chignik Management Area harvest exceeded 1,000,000 sockeye salmon before July 10, the SEDM fishery could continue beyond the 60,000 ceiling.

During 1979-82 SEDM fishers experienced good seasons even though closures were needed at times because of weak Chignik escapements. During this period, participation increased from 31 to 41 permit holders (Table 86).

In 1983, gear levels did not change drastically, but the fishery demonstrated an ability to catch large numbers of salmon during a short period of time when the July 7-8 total sockeye catch was about 49,615 salmon. The 1983 season was a very good year for SEDM fishers with the season

estimated interception of Chignik destined sockeye reaching 227,392 (Tables 83-85). Most of the sockeye salmon were taken between July 10 and August 10.

The 1984 season saw a dramatic increase of set gillnet gear, set gillnet permit holders totaled 57. Several of the gillnet permit holders also held purse seine permits and fished gillnet gear only during part of the season. Consequently, there were about 43 full time set gillnet permit holders fishing. Due to the large early Chignik run, the large number of Chignik salmon available in the SEDM, and the increased amount of gear, only six days were required to harvest 60,000 Chignik destined sockeye. However, the fishery was closed for only three days before the Chignik catch reached 1,000,000 salmon. The SEDM fishery was reopened on June 14 using the fishing periods listed in the regulation book (five days per week). It was forecasted that the 1984 second Chignik sockeye run would be very strong. This later proved to be incorrect. The Chignik escapement goal was reached on the second run only after considerable curtailment of the SEDM, Chignik, and Cape Igvak (Kodiak Management Area) fisheries during mid-July. The 1984 SEDM catch of sockeye salmon through July 25 was 595,043 salmon and the estimated interception of Chignik destined sockeye was 423,068 salmon (Tables 82 and 83).

The 1964-93 harvest of Chignik destined sockeye salmon through July 25 has ranged from 4,485 salmon (0.88% of the total Chignik bound sockeye salmon harvest) in 1989 to 423,068 salmon (12.64%) in 1984 (Tables 83-85; Figure 29). Both purse seine and set gillnet annual CFEC permits used in the fishery, as well as annual landings, have increased substantially since the early to mid-1970's. The 1984-93 annual CFEC permits used by purse seine permit holders average 58 and by set gillnet permit holders average 55 (Table 86). The 1984-93 (10-year) annual purse seine landings average 265 and set gillnet landings average 1,122. Since 1970, the number of sockeye salmon caught by each gear type has varied considerably, although both the 10-year and 20-year averages are similar (Table 83). The 1974-93 (20-year) average harvest through July 25 by purse seine fishers is 12.2% and by set gillnet fishers is 87.8%; for the entire season the average harvest by purse seine fishers is 18.3% and for set gillnet fishers is 81.7% (Tables 83 and 87; Figure 30).

Since 1985, when the original Southeastern District Management Plan was in effect, the harvest of Chignik destined sockeye salmon has ranged from 0.88% in 1989 to 8.88% in 1990 and from 1985-93 averaged 6.4% (Table 84; Figure 29). The 1988 and 1989 percentages were low due to the pre-July 26 Chignik Management Area sockeye harvest marginally reaching or failing to meet the 600,000 sockeye salmon harvest objective. In 1990, the catch of Chignik destined sockeye salmon through July 25 exceeded the six percent allocation. The allocation was exceeded because of large catches during the July 18-19 period, lower than anticipated harvests at Cape Igvak, and an underestimation of the catching power of the fishing fleet, especially the purse seine fleet that has chilled fish tanks and hold fish for up to 48 hours before delivering.

In 1990, ADF&G installed a weir at Orzinski Lake (Shaul et al. 1991). Since 1990, the sockeye escapement goal of 20,000 salmon has been met or exceeded, except in 1990 when the escapement was 15,000 sockeye salmon (Table 88).

The present management strategy, described earlier, was adopted after the 1984 season. Since 1984, the management plan has remained the same, with few exceptions. During November 1991, the BOF made changes to the Southeastern District Salmon Management Plan (ADF&G

1992; Shaul et al. 1992). The major changes effecting the plan were: 1) the percentage of Chignik destined sockeye salmon permitted to be harvested in the SEDM was increased to seven percent, 2) the area where 80 percent of the sockeye salmon caught in the fishery are determined to be of Chignik origin was increased and now include the East Stepovak, Stepovak Flats, Northwest Stepovak (except Orzinski Bay; Figure 8), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections, and 3) 100 percent of the sockeye salmon caught in Orzinski Bay were considered to be local (Orzinski Lake) sockeye and would not be included in the allocation. All other provisions of the management plan remained the same as in prior years.

The BOF during the November 1991 meeting also impacted the SEDM fishery by closing most of the South Peninsula outside of the SEDM to commercial salmon fishing from July 1-19 (ADF&G 1992; Shaul et al. 1992). BOF discussion of the post June fisheries noted the unique nature of the SEDM fishery from the balance of the South Peninsula. The BOF allowed terminal chum and pink salmon areas to be opened where local July pink and chum salmon could be harvested (Zachary Bay in the Shumagin Islands Section). One impact of the BOF decision closing most of the South Peninsula from July 1-19, while leaving other limited areas open was a concentration of fishing gear from July 1-19 in any area open to commercial fishing (Figure 26).

The SEDM management plan (modeled after Kodiak's, Cape Igvak Management Plan 5 AAC 18.360; Prokopowich et al. *In Press*) contains unique features not found in the Cape Igvak Management Plan (ADF&G 1992, McCullough and Campbell 1994). The Southeastern District Mainland is open to set gillnet gear only through midnight July 10; after July 10 the fishery is open to both set gillnet and purse seine gear. ADF&G attempts to achieve a seven percent harvest of Chignik bound sockeye salmon in the Southeastern District Mainland at midnight July 10 as well as a seven percent harvest at the conclusion of the management plan, July 25. Also unique to the SEDM are provisions for harvesting local chum salmon runs in the Stepovak Flats Section and local sockeye salmon in Orzinski Bay (Figure 8). A weir was installed at the outlet of Orzinski Lake in 1990 for the purpose of managing the fishery in proximity to the lake. In 1990, below desired sockeye escapement kept most of the Northwest Stepovak Section closed, while in 1991 escapements provided fishing time in excess to the balance of the SEDM. Since 1992, only Orzinski Bay has been managed by sockeye escapement counts into the lake; interim escapement goals have been exceeded and Orzinski Bay has been open for continuous salmon fishing from early through late July (Campbell 1995).

In July 1992, in Superior Court of the State of Alaska the BOF post June salmon management plan for the South Alaska Peninsula (5 AAC 09.366) was dismissed by Superior Court Judge Hopwood and South Alaska Peninsula management returned to pre-1992 objectives, with a general South Peninsula commercial fishing period on July 13. Because of BOF action, court decisions, the weak Chignik second sockeye salmon run, and the June 30 to July 9 closure of the SEDM during the Chignik first and second runs overlap period there were no fishing periods in the SEDM from July 1 to July 12 that would have concentrated gear beyond normal expected gear levels (Shaul et al. 1993). The only abnormal concentration of gear occurred in Orzinski Bay where a larger than expected return of sockeye to Orzinski Lake occurred. The larger than expected return of sockeye to Orzinski Lake may have been due to cape fisheries in the Shumagin Islands being closed from July 1-13.

In 1993, no court actions effected management of the fisheries and they proceeded along the guidelines established with the management plans. The first fishing period occurred on June 12 and the last delivery was October 9 (McCullough et al. 1994). Through July 25, 210,927 sockeye salmon were harvested in the entire SEDM, 88.5% by set net permit holders and the remainder (11.5%) by purse seine permit holders (Table 82). The Chignik destined harvest through July 25 was 128,536 sockeye salmon, 6.63% of the total Chignik bound sockeye salmon harvest (Tables 83-85). Orzinski Bay contributed 52,776 sockeye salmon to the common property fishery (Table 88).

### ***Southeastern District Mainland 1994 Season Summary***

The 1994 preseason forecast for the total harvest of Chignik bound sockeye salmon was 1,400,000 salmon for the first (Black Lake) run and 1,050,000 salmon for the second (Chignik Lake) run (Quimby and Owen *In press*). The forecast indicated that a fishery would occur in the SEDM targeting Chignik bound sockeye salmon because one of the conditions of the management plan, a harvest of at least 600,000 would occur in the Chignik Management Area was predicted to be met.

As of 2:00 p.m., June 22 the sockeye escapement in Chignik was about 400,000 salmon (due to a strike in Chignik). The initial opening of the Chignik Management Area sockeye salmon fishery was established for June 21 and extended until further notice (Quimby and Owen *In press*). The initial opening of the Cape Igvak Section of the Kodiak Management Area was established for June 24 for 48 hours (Prokopowich et al. *In press*).

The first SEDM commercial salmon fishing period was for 24 hours, beginning at 4:00 p.m. on June 23, except Orzinski Bay which remained closed because only 30 sockeye salmon had passed through the weir (Table 89; Appendix A).

Through July 11 the SEDM had general fishing periods on June 23, 24, 26, 27, 28 and July 9 and 10; the Stepovak Flats Section was open on July 6 and 7 (Table 56; no reported harvest occurred on July 7). During the period when only set gillnet gear is allowed (through July 10) the harvest of Chignik bound sockeye salmon was 142,350 salmon (Tables 84 and 90). Single day harvest records for the number of sockeye caught by set gillnet gear were set on July 9 and again on July 10 (Table 56).

Through July 25 the salmon harvest in the Southeastern District Mainland was 239,749 salmon, comprised of 242 chinook, 221,657 sockeye, 1,041 coho, 11,158 pink, and 5,651 chum salmon (Table 56). Through July 25, Orzinski Bay contributed 43,719 sockeye salmon to the SEDM fishery (Table 91). The total sockeye salmon catch through July 25 amounted to 221,657 salmon of which set gillnet gear harvested 100.0% (Table 82; Figure 30). The total Chignik sockeye contribution to the SEDM through July 25 was 142,350 salmon of which set gillnet gear harvested 100.0% (Table 83). SEDM fishers harvested 7.0% (142,350 salmon) of the Chignik destined sockeye harvest, Chignik fishers harvested 80.7% (1,641,574 salmon), and Cape Igvak fishers harvested 12.3% (250,230 salmon) (Table 84; Figure 29).

Portions of the SEDM had several fishing periods concurrent with portions of the South Peninsula through August 11. The last period for Stepovak Flats occurred on July 24, when chum run

strength concerns caused the closure of the section for the remainder of the season (Appendix A). The SEDM closed to commercial salmon fishing after August 11 to achieve late run pink and chum escapements and early run coho escapements (Table 56).

The first post August (fall) fishery in the SEDM was from September 1-2. Catches were nearly evenly split between sockeye, coho, and chum salmon (Table 56). Due to light effort the commercial fishing season was extended through October 30 with fishing periods being Monday through Friday.

The last landing from the SEDM occurred on September 23. During the fall fishery (September 1-23) the catch was 46,478 salmon comprised of 5 chinook, 18,852 sockeye, 17,186 coho, 8 pink, and 10,427 chum salmon (Table 56). The SEDM season total harvest was 844,977 salmon comprised of 570 chinook, 330,279 sockeye, 54,872 coho, 335,695 pink, and 123,561 chum salmon. During 1994, Orzinski Bay contributed 47,077 sockeye salmon to the SEDM fishery (Table 91). The Orzinski River sockeye salmon escapement was an estimated 38,000 salmon (Table 89). The Orzinski River escapement added to the Orzinski Bay catch indicates the total Orzinski Lake run in 1994 was 85,077 sockeye salmon (Table 88).

Assuming the Chignik contribution is 80% of the sockeye salmon harvested in the SEDM except for those salmon caught in Orzinski Bay the total Chignik sockeye salmon contribution to the SEDM through the end of the season was estimated at 226,562 salmon (Table 90). For all sockeye salmon harvested in the SEDM (330,279 salmon) set gillnet gear harvested 92.5% and purse seine gear 7.5% (Table 87).

### **Shumagin Islands 1994 Season Summary**

As discussed in earlier sections of this report, the BOF July 1-19 closure of most of the South Peninsula was in effect during 1994 (McCullough 1995; Post June Salmon Management Plan for the Southern Alaska Peninsula). Fishing periods on July 6-7, 11-12, and 14-18 for Zachary Bay (the only area in the Shumagin Islands open) did not account for any salmon harvest (Table 35). Accordingly, the first general post June period was July 20-22. As discussed in the 1994 Immature Salmon Concerns Section of this report, the presence of immature salmon closed commercial purse seine salmon fishing in the Shumagin Islands Section during July 24-28, 1994.

During July and August pink salmon dominated the harvest (Table 35). Commercial salmon fishing continued through August 15 when the Shumagin Islands Section was closed to achieve late run pink and chum, and early run coho salmon escapements.

The first post August (fall) fishery in the Shumagin Islands Section was during September 1-2 and harvests were mostly coho salmon. Due to light effort and relatively strong coho salmon catches for early September, the commercial fishing season was extended through October 30 with set fishing periods of Monday through Friday. The last landing occurred on September 28.

The post June Shumagin Islands Section total salmon harvest was 1,694,599 salmon comprised of 1,048 chinook, 153,916 sockeye, 151,821 coho, 1,135,218 pink, and 252,596 chum salmon (Tables 62-64). The harvest of all species were below the 1984-93 average harvest; the chinook and sockeye catch was the lowest since 1985, while the pink catch was the lowest since 1990.

Coho and chum catches were larger than during 1993 but were below both the 10-year and 20-year averages. During the fall fishery (September 1-28) the Shumagin Islands harvest was 24,439 salmon comprised of 13 chinook, 6,030 sockeye, 12,896 coho, 189 pink, and 5,311 chum salmon.

Post June annual CFEC permits in use and number of landings for both purse seine and set gillnet gear has increased in the Shumagin Islands Section since the early and mid-1970's. The 1984-93 average annual CFEC permits used was 71 for purse seine gear and 48 for set gillnet gear (Tables 63-64). The 1984-93 average annual number of landings by gear type was 691 for purse seine fishers and 624 for set gillnet fishers. The post June sockeye salmon catch by gear indicates an increasing harvest trend by set gillnet fishers with a corresponding decrease in the catch by purse seine fishers (McCullough 1995). Some of the increased sockeye salmon catch by gillnet fishers is the result of the Shumagin Islands being closed to purse seine gear during part of July 1989-94 due to the presence of immature salmon. Catch statistics also indicate an increasing catch of coho salmon by set gillnet fishers, but the 1984-93 average post June coho salmon catch is dominated by purse seine fishers that have averaged 93.4% of the coho salmon harvest.

### **Southeastern District 1994 Season Summary**

Post June harvests of all species in the Southeastern District have increased since 1970 and averaged 3,228,973 salmon from 1974-93 (20-year) and 4,500,073 salmon from 1984-93 (10-year; Tables 65-67). Most of the increased harvest was a result of strong pink returns since 1978. The Southeastern District post June 1994 salmon harvest was 2,444,878 salmon comprised of 1,460 (0.06%) chinook, 395,557 (16.18%) sockeye, 206,665 (8.45%) coho, 1,468,194 (60.05%) pink, and 373,002 (15.26%) chum salmon. During the fall fishery (September 1 - 28) the Southeastern District harvest was 27,473 salmon comprised of 31 chinook, 16,220 sockeye, 7,830 coho, 515 pink, and 2,877 chum salmon.

In 1994, most salmon were harvested by purse seine fishers (73.9%; Tables 65-67). In the Southeastern District, disregarding test fishing landings, set gillnet fishers accounted for 1,687 (78.4%) landings as compared to 465 (21.6%) purse seine landings.

The Southeastern District total estimated escapement was 44,800 sockeye, 1,260 coho, 1,073,218 pink, and 69,291 chum salmon (Tables 6 and 81; coho data are incomplete). The 1994 estimated escapements approximate the 1986-93 average estimated escapements of 27,908 sockeye, 8,435 coho, 979,056 pink, and 143,351 chum salmon (Table 81). The estimated chum salmon escapement may be low due to a lack of late season aerial surveys. Chum salmon escapements were poor in the Stepovak Flats Section. Pink escapements were good throughout the district. Sockeye escapements were also good; Orzinski Lake exceeded escapement goals, while Acheredin Lakes' sockeye escapement of 4,500 salmon, was near the lower escapement goal of 5,800 salmon (Table 6). Estimated ages of the catches by fishery and species will be presented in a separate report (Nelson and Murphy 1995).

**McGinty Point to Moss Cape 1994 Season Summary.** Post June harvests of all species in the McGinty Point to Moss Cape area (Figure 23) have increased substantially since 1975 and averaged 1,857,391 salmon from 1974-93 (20-year) and 2,157,567 salmon from 1984-93 (10-year; Tables 68-70). Most of the increased harvest was the result of strong pink salmon returns since 1975. The McGinty Point to Moss Cape post June 1994 salmon harvest was 3,337,852

salmon comprised of 240 (0.01%) chinook, 79,025 (2.37%) sockeye, 7,962 (0.24%) coho, 2,329,784 (69.80%) pink, and 920,941 (27.59%) chum salmon. In 1994, 142 set gillnet landings (19.9% of all landings) occurred in the area, as compared with 573 purse seine landings (80.14% of all landings).

The McGinty Point to Moss Cape (McGinty Point through Nikolaski Spit and Dolgoi Island streams) total estimated escapement was 6,750 sockeye, 1,455,766 pink, and 276,376 chum salmon, (Table 7; coho data are incomplete). Pink escapements were strong throughout the area. Chum escapements were generally good especially in the Volcano Bay area. Estimated ages of the catches by fishery and species will be presented in a separate report (Nelson and Murphy 1995).

***Belkofski to Kenmore Head 1994 Season Summary.*** Post June harvests of all species in the Belkofski to Kenmore Head area (Figure 23) have increased since 1977, but have consistently averaged more than one million salmon only since 1988 (Tables 71-73). The harvest in the Belkofski to Kenmore Head area has averaged 1,107,657 salmon from 1974-93 (20-year) and 1,485,571 salmon from 1984-93 (10-year). The 1994 post June harvest was 3,000,331 salmon comprised of 94 (0.00%) chinook, 46,016 (1.53%) sockeye, 12,959 (0.43%) coho, 2,671,204 (89.03%) pink, and 270,058 (9.00%) chum salmon. In 1994, there were 216 set gillnet landings (31.72% of all landings) and 465 purse seine landings (68.28% of all landings).

The Belkofski to Kenmore Head (Belkofski Village Creek through Charlie Hansen's Creek streams) total estimated escapement was 50,660 sockeye, 33,360 coho, 1,484,135 pink, and 343,547 chum salmon, (coho data are incomplete, Table 6). In 1994, a weir was installed to count salmon at Thin Point (Tables 92-93). A total of 19,450 sockeye and 89 coho salmon passed through the weir from July 14 through August 27, 1994. Pink and chum escapements were excellent throughout the area. Estimated ages of the catches by fishery and species will be presented in a separate report (Nelson and Murphy 1995).

***Kenmore Head to Scotch Cap 1994 Season Summary.*** Post June catches of all species in the Kenmore Head to Scotch Cap area (Figure 23) have fluctuated because of the effort level directed toward pink salmon. The harvest in this area averaged 176,348 salmon from 1974-93 (20-year) and averaged 287,758 from 1984-93 (10-year; Tables 74-77). The 1994 post June salmon harvest was below the 10-year average; the catch was 268,531 salmon comprised of 31 (0.01%) chinook, 21,724 (7.55%) sockeye, 26,712 (9.28%) coho, 187,818 (65.27%) pink, and 32,246 (11.21%) chum salmon. In 1994, there were 16 purse seine landings (8.42% of all landings), 160 drift gillnet landings (84.21%), and 14 set gillnet landings (7.37%).

The Kenmore Head to Scotch Cap (Deadman's Cove Creek through Otter Cove Creeks; the Lazaref River and Sanak Island streams were not surveyed) total estimated escapement was 0 sockeye, 409,486 pink, and 1,190 chum salmon, (Table 6; coho data are incomplete). Estimated ages of the catches by fishery and species will be presented in a separate report (Nelson and Murphy 1995).



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Table 1. Number of limited entry permits and fishing effort in the South Peninsula, 1970-94.

Year	Purse Seine		Drift Gillnet		Set Gillnet	
	Permits Available	Permits Fished	Permits Available	Permits Fished	Permits Available	Permits Fished
1970	125	108	165	157	114	30
1971	125	113	165	122	114	24
1972	125	90	165	151	114	25
1973	125	55	165	121	114	26
1974	125	46	165	46	114	42
1975	125	52	165	81	114	12
1976	125	89	165	108	114	24
1977	125	84	165	101	114	26
1978	125	101	165	120	114	30
1979	125	123	165	137	114	46
1980	125	114	165	129	114	45
1981	125	116	165	135	114	53
1982	125	115	165	138	114	52
1983	125	118	165	147	114	59
1984	125	121	165	147	114	66
1985	125	122	165	150	114	64
1986	125	119	165	156	114	60
1987	125	113	165	145	114	69
1988	125	112	165	148	114	70
1989	125	117	165	147	114	76
1990	126	118	164	154	114	81
1991	126	119	164	157	114	78
1992	125	119	164	142	114	79
1993	125	123	164	144	114	86
1994	125	118	164	145	114	79
1974-93 Average						
	125	107	165	132	114	56
1984-93 Average						
	125	118	165	149	114	73

Note: Number of permits include permanent permits and interim use permits. Permits fished include those permit holders making at least one delivery during the year.

Table 2. Salmon gear in South Peninsula waters during June, 1970-94.

Year	Gear <sup>a</sup>			Total
	Purse Seine	Drift Gillnet	Set Gillnet	
1970	39	156	16	202
1971	37	122	8	166
1972	32	150	7	185
1973	16	121	7	142
1974	0	0	0	0
1975	20	81	8	108
1976	25	108	16	147
1977	17	101	13	131
1978	23	120	16	159
1979	40	132	26	196
1980	68	129	29	225
1981	83	135	25	243
1982	90	138	23	251
1983	100	146	35	282
1984	101	147	32	280
1985	107	150	48	305
1986	99	156	43	298
1987	86	144	60	290
1988	90	148	63	301
1989	99	145	61	305
1990	109	153	59	322
1991	112	157	65	335
1992	112	141	68	322
1993	116	140	72	328
1994	114	145	65	324
1974-93 Average				
	74.9	128.6	38.1	241.4
1984-93 Average				
	103.1	148.1	57.1	308.6

<sup>a</sup> During the peak of the South Peninsula June fishery, (June 12-26), approximately 53 purse seine permit holders fish the Shumagin Islands Section fishery. During the few occasions when the South Unimak fishery is open and the Shumagin Islands fishery is closed, nearly the entire purse seine fleet fishes at South Unimak. Drift gillnet effort declines after June 20 as the fleet begins moving to the Port Moller fishery.

Table 3. South Peninsula salmon harvest by species, in number of fish, by year, 1906-94.

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1906	0	0	0	0	0	0
1907	0	0	0	0	0	0
1908	0	69,400	0	0	0	69,400
1909	0	108,400	7,200	0	0	115,600
1910	0	46,300	5,500	0	0	51,800
1911	0	240,800	12,400	25,200	83,000	361,400
1912	0	334,400	27,000	40,400	195,000	596,800
1913	1,800	299,700	0	0	7,000	308,500
1914	600	628,900	0	311,000	221,100	1,171,500
1915	4,800	367,900	16,200	120,100	333,100	842,100
1916	6,800	730,900	34,100	576,100	508,900	1,856,800
1917	6,400	1,486,100	4,600	72,100	415,500	1,984,700
1918	8,700	1,014,100	16,300	2,150,000	1,501,000	4,690,900
1919	9,600	619,100	56,100	80,200	921,400	1,686,400
1920	7,800	1,142,300	47,700	2,109,800	934,000	4,241,600
1921	700	830,700	1,500	47,300	84,600	964,800
1922	6,900	3,376,800	2,200	756,700	349,300	4,491,900
1923	4,100	1,827,200	75,300	143,600	538,900	2,589,100
1924	3,900	1,352,000	127,300	3,931,300	1,330,700	6,745,200
1925	10,700	820,500	127,100	382,100	1,116,800	2,457,200
1926	9,500	3,071,500	193,800	3,719,700	1,179,800	8,174,300
1927	9,600	714,700	125,300	1,455,500	1,299,700	3,604,800
1928 <sup>a</sup>	7,700	971,500	96,600	900,900	2,416,300	4,393,000
1929 <sup>a</sup>	10,500	935,800	84,500	1,793,500	2,429,000	5,253,300
1930 <sup>a</sup>	10,900	935,200	161,100	6,094,800	1,278,100	8,480,100
1931 <sup>a</sup>	11,000	1,863,200	128,700	997,900	1,216,000	4,211,800
1932 <sup>a</sup>	17,400	2,977,300	112,300	3,604,800	817,300	7,529,100
1933 <sup>a</sup>	12,600	1,996,700	190,000	3,109,200	1,173,900	6,482,400
1934 <sup>a</sup>	17,600	1,372,400	247,100	6,538,500	1,940,300	10,115,900
1935 <sup>a</sup>	13,900	978,400	117,200	5,386,200	2,003,100	8,498,800
1936 <sup>a</sup>	14,400	3,662,600	284,600	9,471,000	2,310,900	15,743,500
1937 <sup>a</sup>	9,300	1,558,000	73,900	9,302,000	1,506,700	12,449,900
1938 <sup>a</sup>	6,400	772,100	220,700	7,169,100	1,476,600	9,644,900
1939 <sup>a</sup>	16,500	1,881,700	98,900	6,005,300	1,440,600	9,443,000
1940 <sup>a</sup>	9,100	1,040,300	184,200	7,182,800	2,326,300	10,472,700
1941 <sup>a</sup>	13,000	1,072,000	183,000	5,347,000	1,542,000	8,157,800
1942 <sup>a</sup>	4,800	810,100	123,000	6,762,600	1,321,100	9,021,600
1943 <sup>a</sup>	21,700	2,397,700	90,600	4,360,200	924,500	7,794,700
1944 <sup>a</sup>	9,900	538,600	238,700	2,653,800	985,600	4,426,600
1945 <sup>a</sup>	21,400	813,400	116,100	3,639,600	948,900	5,539,400
1946 <sup>a</sup>	6,100	752,300	151,400	1,964,000	1,219,900	4,093,700
1947 <sup>a</sup>	3,400	1,137,100	55,800	2,319,600	1,219,200	4,735,100
1948 <sup>a</sup>	1,200	285,900	39,200	1,683,700	1,139,600	3,149,600
1949 <sup>a</sup>	3,800	637,500	19,500	1,544,000	560,900	2,765,700
1950 <sup>a</sup>	4,000	1,745,300	70,700	1,613,700	562,500	3,996,200
1951	1,500	264,200	55,700	2,844,800	683,100	3,849,300
1952	9,200	894,500	39,200	908,500	1,040,800	2,892,200
1953	7,200	1,039,200	47,900	2,743,900	1,464,600	5,302,800
1954	4,200	636,300	49,400	2,033,300	1,413,400	4,136,600
1955	5,400	550,100	44,800	2,529,200	688,200	3,817,700
1956	4,800	641,400	61,900	2,740,700	1,618,700	5,067,500
1957	5,800	341,900	49,900	913,100	1,281,400	2,592,100
1958	800	186,100	70,600	1,385,200	841,000	2,483,700

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Table 3. (page 2 of 2)

Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1959	900	217,500	8,500	915,600	711,700	1,854,200
1960	1,700	379,000	1,800	1,197,500	904,400	2,484,400
1961	900	456,800	10,400	1,727,800	748,600	2,944,500
1962	3,300	420,000	12,500	1,965,500	824,800	3,226,100
1963	1,900	204,400	16,500	2,367,700	461,300	3,051,800
1964	2,000	370,800	13,600	2,740,400	751,000	3,877,800
1965	2,100	915,700	34,200	2,884,100	556,400	4,392,500
1966	1,400	606,200	6,300	302,300	494,400	1,410,600
1967	1,600	294,100	2,900	77,800	245,200	621,600
1968	1,400	699,800	31,100	1,287,100	325,300	2,344,700
1969	1,900	912,800	10,900	1,219,400	389,200	2,534,200
1970	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
1971	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
1972	1,332	557,422	8,021	78,221	731,814	1,376,810
1973	415	330,091	6,599	58,051	292,943	688,099
1974	581	197,153	9,366	100,601	71,826	379,527
1975	117	243,548	67	60,642	130,750	435,124
1976	2,196	375,027	216	2,366,833	532,503	3,276,775
1977	559	311,722	2,108	1,448,648	243,167	2,006,204
1978	773	579,411	60,774	5,590,145	546,182	6,777,285
1979	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
1980	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
1981	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
1982	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
1983	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
1984 <sup>b</sup>	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
1985	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
1986	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
1987	9,174	1,449,753	225,120	1,208,556	1,376,887	4,268,490
1988	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
1989	7,065	2,660,800	443,843	7,292,658	994,231	11,398,597
1990 <sup>c</sup>	16,522	2,386,844	307,218	2,865,856	1,237,826	6,814,266
1991 <sup>c</sup>	7,975	2,319,942	317,129	10,616,756	1,588,795	14,850,597
1992 <sup>c</sup>	8,026	3,445,914	418,232	9,770,386	1,316,709	14,959,267
1993 <sup>c</sup>	14,413	3,689,074	220,148	9,928,107	1,048,257	14,899,999
1994 <sup>c</sup>	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072
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Average 1974-93	7,722	1,836,269	220,302	5,368,386	1,166,436	8,599,115
Average 1984-93	9,568	2,311,151	315,654	6,877,890	1,422,321	10,936,585

<sup>a</sup> From 1928 until 1951 commercial salmon catches in the Aleutian Islands and the South Peninsula were combined.

<sup>b</sup> During June 18, 1984 fishers harvested 23 chinook, 63,929 sockeye, 1,900 coho, 18,950 pink, and 8,409 chum salmon in Unimak Pass. Unimak Pass was defined as closed to commercial salmon fishing under the Alaska Peninsula portion of the finfish regulations but open to commercial salmon fishing under the Aleutian Islands portion of the finfish regulation book. After 1984, regulations were passed through the Alaska Board of Fish closing the Unimak Pass area to commercial salmon fishing until at least July 10.

<sup>c</sup> Figures include test fish harvests.

Table 4. South Peninsula salmon harvest by species, in number of fish, all gear combined, 1970-94.

Year	Permits <sup>a</sup>	Landings <sup>a</sup>	Species <sup>a</sup>					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	219	4,679	1,806	1,779,525	32,571	1,737,985	993,349	4,545,236
1971	187	4,444	2,174	716,087	16,907	1,445,031	1,365,957	3,546,156
1972	210	3,124	1,332	557,422	8,021	78,221	731,814	1,376,810
1973	153	1,795	415	330,091	6,599	58,051	292,943	688,099
1974	96	853	581	197,153	9,366	100,601	71,826	379,527
1975	143	600	117	243,548	67	60,642	130,750	435,124
1976	217	2,705	2,196	375,027	216	2,366,833	532,503	3,276,775
1977	205	2,168	559	311,722	2,108	1,448,648	243,167	2,006,204
1978	248	3,860	773	579,411	60,774	5,590,145	546,182	6,777,285
1979	294	4,476	2,141	1,149,927	356,867	6,564,914	482,930	8,556,779
1980	284	5,107	4,794	3,613,025	274,181	7,861,470	1,353,112	13,106,582
1981	304	5,617	11,182	2,241,513	162,223	5,033,028	1,768,475	9,216,421
1982	302	6,286	9,845	2,345,981	256,046	6,734,905	2,272,495	11,619,272
1983	325	5,241	26,571	2,556,557	127,657	2,827,622	1,704,072	7,242,479
1984	334	6,378	9,198	2,318,028	310,950	11,589,258	1,654,622	15,882,056
1985	336	5,322	6,642	2,144,416	172,514	4,431,016	1,348,726	8,103,314
1986	335	5,132	5,589	1,223,089	235,854	4,031,487	1,749,651	7,245,670
1987	327	5,256	9,174	1,449,753	225,120	1,208,556	1,375,887	4,268,490
1988	330	6,478	11,075	1,473,651	505,533	7,044,824	1,908,507	10,943,590
1989	341	5,597	7,065	2,660,800	443,843	7,292,658	994,231	11,398,597
1990	354	6,403	16,522	2,386,844	307,218	2,865,856	1,237,826	6,814,266
1991	355	6,439	7,975	2,319,942	317,129	10,616,756	1,588,795	14,850,597
1992	341	6,512	8,026	3,445,914	418,232	9,770,386	1,316,709	14,959,267
1993	353	6,204	14,413	3,689,074	220,148	9,928,107	1,048,257	14,899,999
1994	343	6,750	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072
<hr/>								
1974-93 Average	291	4,832	7,722	1,836,269	220,302	5,368,386	1,166,436	8,599,115
1984-93 Average	341	5,972	9,568	2,311,151	315,654	6,877,890	1,422,321	10,936,585

<sup>a</sup> Figures include test fish catches.



Table 5. List of statistical salmon fishing areas in the South Peninsula.

Area	Statistical Areas
Prior to 1991	28100 through 28499
Southeastern District <sup>a</sup>	28100 through 28299 plus 28370, 28375, 28380, and 28390
Southeastern District Mainland <sup>a</sup>	28100 through 28199 plus 28370, 28375, 28380, and 28390
East Stepovak	28134, 28135, 28136
Stepovak Flats	28133
Northwest Stepovak	28110 through 28132
Orzinski and American Bays	28131
Southwest Stepovak	28390
Balboa Bay	28380
Beaver Bay <sup>a</sup>	28370, 28375
Shumagin Islands	28200 through 28299
South Central District	28361 through 28369
Southwestern District	28300 through 28352 plus 28460
Unimak District	28400 through 28450 plus 28310
June South Unimak fishery	28310 through 28330 plus 28420 through 28460
South Peninsula after 1990	28100 through 28599
Southeastern District	28100 through 28299
Southeastern District Mainland	28100 through 28199
East Stepovak	28100 through 28125
Stepovak Flats	28130
Northwest Stepovak	28140 through 28169
Orzinski Bay	28150
American Bay	28155
Southwest Stepovak	28170
Balboa Bay	28180

-Continued-

Table 5. (page 2 of 2)

Area	Statistical Areas
Beaver Bay	28190
Shumagin Islands	28200 through 28299
South Central District	28300 through 28399
Southwestern District	28400 through 28499
Unimak District	28500 through 28599
June South Unimak fishery	28400 through 28599
McGinty Point to Moss Cape	28315, 28317, 28321, 28323, 28324, 28325, 28326, 28351, 28352, 28361, 28362, 28363, 28664, 28365, 28370, plus 28436, 28437, and 28438
Belkofski Bay to Kenmore Head	28312, 28320, 28331, 28332, 28333, 28334, 28335, 28341, 28342, plus 28442, 28445, 28455, 28462, 28465, 28467, 28475, 28477, 28480
Kenmore Head to Scotch Cap	28310, 28330, plus 28410, 28420, 28430, 28440, 28460, 28470, 28472, 28490, plus 28510, 28420, 28530, and 28540

- <sup>a</sup> In 1985, statistical area 28370 became two areas (28370 and 28375). In 1988, Beaver Bay (28375) became part of the Southeastern District while the Mino Creek-Little Coal Bay area (28370) became part of the South Central District. In 1991, statistical areas were changed to reflect Alaska Board of Fish management plans. As an aid in comparing statistics, catches from 1970-90 from statistical areas 28370 and 28375 have been designated as Beaver Bay catches from the Southeastern District. After 1990, these statistical areas were eliminated, Beaver Bay became 28190 (Southeastern District) and the Mino Creek-Little Coal Bay area became 28317 and 28315 (South Central District).

Table 6. Peak counts and estimated total salmon escapement by district, species, and stream for the South Peninsula, from aerial surveys except as noted, 1994.

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
SOUTHEASTERN DISTRICT									
281-35.07	Bluff Point	0	0	0	0	200	213	0	0
281-35.06	Boulder Bay	0	0	0	0	2,100	2,360	500	543
281-35.05	Fox Bay	0	0	0	0	900	915	150	285
281-35.04	Fox Bay	0	0	0	0	500	787	100	190
281-35.02	Fox Bay	0	0	0	0	6,800	13,707	200	380
Not numbered Unnamed Stream west of 281-35.02 Currently identified as stream 281-35.01		0	0	0	0	100	390	0	0
281-34.08	Island Bay	0	0	0	0	650	1,253	0	0
281-34.07	Island Bay	0	0	0	0	2,200	4,180	0	0
281-34.06	Island Bay	0	0	0	0	5,250	10,280	200	380
281-34.05	Island Bay	0	0	0	0	4,750	7,807	500	950
281-34.04	Unnamed	0	0	0	0	1,100	1,320	0	0
281-34.03	Stonehouse	0	0	0	0	6,000	20,613	500	950
281-34.02	Osterback	0	0	0	0	8,250	10,840	0	0
281-34.01	Granville-Portage Inlet	0	0	250	600	6,000	9,783	2,500	3,825
281-33.06	Stepovak Flats	0	0	0	0	1,200	1,427	250	580
281-33.05	Stepovak River	0	0	0	0	6,800	12,920	2,600	4,940
281-33.04	Big River	0	0	0	0	12,000	23,937	2,300	4,950
281-33.03	Louie's Corner	0	0	0	0	8,000	16,433	1,300	4,280
281-33.02	Ramsey Bay	0	0	0	0	7,300	11,167	600	1,320
281-33.01	Ramsey Bay	0	0	0	0	1,900	3,610	0	0
281-32.07	Grub Gulch	0	0	0	0	22,500	41,600	4,800	8,560
281-32.05	Clark Bay	0	0	0	0	9,900	14,780	500	647
281-32.04	Little Norway	0	0	0	0	13,000	13,667	1,000	1,327
281-31.03	Orzinski Lake and Stream			200	480	14,000	25,127	750	1,425
281-31.03	Orzinski Lake <sup>a</sup> Weir		38,000						
281-20.04	Windbound Bay	0	0	0	0	1,500	1,717	0	0
281-20.03	Chichagof, East	0	0	0	0	3,000	4,640	2,500	3,867
281-20.02	Chichagof	0	0	0	0	10,000	13,733	530	1,064
281-20.01	Chichagof Bay Stream	0	0	0	0	5,000	8,593	0	0

-Continued-

Table 6. (page 2 of 7)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
281-10.04	West Cove	0	0	0	0	500	950	0	0
281-10.03	Suzy's Creek	0	0	0	0	50,600	17,833	0	0
281-10.02	Dorenoi Bay (minor stream)	0	0	0	0	5,000	12,393	0	0
281-10.01	Dorenoi Bay Stream	0	0	0	0	18,500	46,433	0	0
281-90.04	San Diego Lagoon & stream	0	0	0	0	2,000	3,800	0	0
281-90.03	San Diego Bay West Side	0	0	0	0	200	380	0	0
281-90.02	Rough Beach Creek	0	0	0	0	20,000	41,967	0	0
281-90.01	Swedania Point Creek	0	0	0	0	15,000	32,983	0	0
281-80.16	Ballast Island	0	0	0	0	300	570	0	0
281-80.15	Coleman Creek	0	0	0	0	4,200	7,220	700	1,330
281-80.14	Johnson Creek	0	0	0	0	12,000	14,000	0	0
281-80.12	Foster's Camp (Bassett)	0	0	0	0	4,000	7,600	0	0
281-80.11	Monolith Point Creek	0	0	0	0	4,500	8,550	0	0
281-80.09	Foster Creek	0	0	0	0	14,500	38,867	0	0
281-80.08	Lefthand Bay	0	0	0	0	7,500	13,000	150	285
281-80.06	Cape Aliaksin	0	0	0	0	10,000	25,650	0	0
281-80.05	Cape Aliaksin	0	0	0	0	5,000	10,667	0	0
281-80.04	Cape Aliaksin	0	0	0	0	9,000	22,790	0	0
281-70.05	Beaver River	0	0	0	0	25,000	57,600	3,000	11,700
281-70.04	Smiley Creek	0	0	0	0	2,000	3,267	0	0
282-13.01	Unga Spit <sup>b</sup>	0	0	0	0	250	475	0	0
282-13.02	Dry Lagoon	0	0	0	0	38,500	51,610	2,000	3,800
282-13.03	Bay Point	0	0	0	0	65,000	97,763	2,000	3,800
282-13.04	Pinnacle Point	0	0	0	0	65,000	81,750	0	0
282-13.05	Unnamed	0	0	0	0	300	317	0	0
282-13.06	Unnamed	0	0	0	0	150	285	0	0
282-10.02	Apollo Creek Minor	0	0	0	0	7,200	13,600	0	0
282-10.03	Apollo Creek	0	0	0	0	11,000	21,367	0	0
282-10.04	Acheredin Lake	3,600	4,500	0	0	0	0	0	0
282-10.10	Unnamed <sup>b</sup>	0	0	0	0	25	48	50	95

-Continued-

Table 6. (page 3 of 7)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
282-10.11	Apollo Gold Mine (Delarof Harbor)	0	0	0	0	9,500	25,833	1,500	2,850
282-10.12	Unga Cape Stream	0	0	0	0	125	220	0	0
282-10.13	Baralof Bay (Johnny Nelson Lake)	1,100	2,200	50	120	4,700	8,410	250	448
282-10.14	Squaw Harbor Minor	0	0	0	0	1,300	1,850	0	0
282-10.15	Squaw Harbor Major	0	0	0	0	25,000	62,027	0	0
282-10.16	Ben Green Bight Farm	0	0	0	0	8,500	17,007	700	1,330
282-12.10	Zachary Bay <sup>b</sup>	0	0	0	0	12	23	0	0
282-12.09	South Quartz Pt.	0	0	0	0	425	808	0	0
282-12.08	South Quartz Pt.	0	0	0	0	350	665	0	0
282-12.07	Zachary Bay	0	0	0	0	200	380	0	0
282-12.06	Zachary Bay <sup>b</sup>	0	0	0	0	300	570	0	0
282-12.05	Zachary Bay	0	0	0	0	4,000	7,600	0	0
282-12.04	Zachary Bay	0	0	0	0	250	475	0	0
282-12.03	Zachary Bay	0	0	0	0	600	1,290	0	0
282-12.02	Zachary Bay	0	0	0	0	300	570	0	0
282-12.01	Zachary Bay Coal Harbor West	0	0	0	0	50	195	0	0
282-10.18	Humbolt Creek	0	0	25	60	200	520	0	0
282-11.01	Salmon Ranch	0	0	0	0	500	563	0	0
282-11.03	Fox Hole (Little Harbor)	0	0	0	0	1,000	1,168	0	0
282-11.06	Korovin Island	50	100	0	0	0	0	0	0
282-20.00	Sanborn Harbor <sup>b</sup>	0	0	0	0	3,500	6,650	0	0
282-20.03	Sanborn Harbor <sup>b</sup>	0	0	0	0	0	0	1,000	2,900
282-20.04	Sanborn Harbor <sup>b</sup>	0	0	0	0	9,000	24,100	0	0
282-20.05	Falmouth Harbor <sup>b</sup>	0	0	0	0	400	760	100	290
Southeastern District Total		4,750	44,800	525	1,260	628,337	1,073,218	33,230	69,291
SOUTHCENTRAL DISTRICT									
283-70.03	McGinty's Point	0	0	0	0	7,000	13,307	0	0
283-70.02	East of Mino	0	0	0	0	35,000	55,080	0	0
283-70.01	Mino Creek	600	750	0	0	168,000	500,947	300	570

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Table 6. (page 4 of 7)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
283-62.05	Coal Bay Major	0	0	0	0	100,000	130,837	0	0
283-62.04	Coal Bay Minor	0	0	0	0	20,000	52,867	0	0
283-62.03	Coal Bay Middle	0	0	0	0	6,000	11,400	0	0
283-62.02	Coal Bay	0	0	0	0	4,000	8,100	0	0
283-62.01	Cape Tolstoi	0	0	0	0	6,000	16,400	0	0
283-63.16	Settlement Point	0	0	0	0	130,700	280,777	2,000	3,800
283-63.15	Middle Creek	0	0	0	0	105,600	228,087	0	0
283-64.10	Ness Creek	0	0	0	0	1,600	2,427	0	0
283-64.09	Inner Canoe Bay	0	0	0	0	0	0	1,400	1,707
283-64.08	Entrance Creek	0	0	0	0	6,000	17,147	1,700	3,660
283-64.07	Wolverine Gulch	0	0	0	0	1,600	3,040	0	0
283-64.06	Canoe Bay River	2,000	4,000	0	0	17,500	21,567	60,000	141,767
283-64.05	Bluff Point Creek	0	0	0	0	6,400	9,907	6,200	11,273
283-63.14	Dry Lagoon	0	0	0	0	0	0	0	0
283-63.13	Ruby's Lagoon	0	0	0	0	0	0	10,900	20,710
283-63.11	Chinaman Lagoon-North	0	0	0	0	0	0	600	1,140
283-63.10	Chinaman Lagoon Main	0	0	0	0	0	0	100	9,190
283-63.09	Chinaman Lagoon	0	0	0	0	0	0	0	0
283-63.06	Chinaman Lagoon South	0	0	0	0	0	0	0	0
283-63.05	Chinaman Lagoon Lower	0	0	0	0	0	0	3,400	6,460
283-63.04	Chinaman Stream South	0	0	0	0	0	0	1,200	2,060
283-61.05	Long John Lagoon	0	0	0	0	0	0	0	0
283-61.04	Spring Fed Lakes	1,000	2,000	50	120	0	0	0	0
283-61.03	Long John Lagoon	0	0	0	0	0	0	0	0
283-61.02	Southwest Stream	0	0	0	0	2,900	5,893	3,100	14,353
South Central District Total		3,600	6,750	50	120	618,300	1,357,783	90,900	216,690
<b>SOUTHWESTERN DISTRICT</b>									
284-52.10	Dushkin Lagoon	0	0	0	0	0	0	0	0
284-52.08	Volcano River	0	0	0	0	11,000	12,320	16,000	33,533
284-52.07	Volcano Center Sloughs	0	0	0	0	500	840	10,500	21,213
284-52.06	West Springholes	0	0	0	0	16,000	27,010	2,000	3,800
284-52.05	Streamguard Creek	0	0	0	0	0	0	300	570

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Table 6. (page 5 of 7)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-52.04	Stub Creek	0	0	0	0	2,300	9,370	0	
0284-52.03	Little Bear Bay	0	0	0	0	0	0	300	570
284-52.01	Nikolaski Spit	0	0	0	0	22,000	31,700	0	0
284-51.03	Dolgoi Harbor North	0	0	0	0	1,000	1,900	0	0
284-51.06	Dolgoi Harbor Southwest	0	0	0	0	4,900	11,993	0	0
284-51.05	Dolgoi Harbor South	0	0	0	0	1,500	2,850	0	0
284-41.01	Belkofski Village	0	0	0	0	56,000	98,053	0	0
284-42.12	Rocky River	0	0	0	0	47,000	123,360	0	0
284-42.10	Kitchen Anchorage	0	0	0	0	15,000	28,500	0	0
284-42.09	Captain's Harbor	0	0	0	0	3,200	6,080	400	760
284-42.07	Belkofski Bay River	0	0	0	0	9,000	13,280	80,000	95,380
284-42.06	Belkofski Bay Beach	0	0	0	0	1,900	4,420	0	0
284-42.05	Belkofski Bay West	0	0	0	0	6,700	12,483	0	0
284-42.03	Indian Head	0	0	0	0	10,700	12,860	0	0
284-33.05	Ram's Creek	0	0	0	0	27,000	32,993	0	0
284-33.04	King Cove Lagoon	0	0	0	0	0	0	500	950
284-33.03	King Cove	0	0	0	0	0	0	100	190
284-31.01	Fox Island Anchorage East	0	0	0	0	33,000	128,227	0	0
284-31.02	Fox Island Anchorage Center	0	0	0	0	3,300	7,427	0	0
284-31.03	Fox Island Anchorage West	0	0	0	0	45,000	84,487	0	0
284-31.05	Paw Cape Creek	0	0	0	0	18,500	40,573	0	0
284-31.06	Southern Creek	0	0	0	0	216,000	502,640	0	0
284-31.10	Eastern Creek	0	0	0	0	25,900	56,463	0	0
284-34.11	Lenard Harbor So.	0	0	0	0	7,000	10,833	0	0
284-34.10	Lenard Harbor Main	0	0	0	0	11,000	13,113	18,000	28,227
284-34.09	Barney's Creek	0	0	0	0	25,000	37,247	6,200	7,320
284-34.07	Kinzarof Lagoon	1,310	2,620	0	0	0	0	0	0
284-34.06	Kinzarof Lagoon	150	300	0	0	0	0	0	0
284-34.05	Kinzarof Lagoon	440	880	0	0	0	0	0	0
284-34.03	Trout Creek	75	150	900	2,160	0	0	250	250

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Table 6. (page 6 of 7)

Stream Number	Stream Name/Location	Species							
		Sockeye		Coho		Pink		Chum	
		Peak	Total	Peak	Total	Peak	Total	Peak	Total
284-34.02	Russel Creek	30	60	0	0	37,000	70,300	36,000	85,447
284-34.01	Mortensen Lagoon	2,800	5,600	0	0	0	0	0	0
284-32.01	Old Man's Lagoon	0	0	0	0	0	0	3,500	4,030
284-20.06	Thinpoint Lagoon Entrance Channel <sup>a</sup>		19,450	13,000	31,200	0	0	0	0
284-20.08	Thinpoint West	0	0	0	0	0	0	0	0
284-20.09	Thinpoint Lake Stream	0	0	0	0	0	0	0	0
284-20.10	Thinpoint Lake	0	0	0	0	0	0	0	0
284-20.04	Southwest Bight	0	0	0	0	9,000	23,860	0	0
284-20.03	McGinty's Creek (Verskin's Bight)	0	0	0	0	18,400	46,487	0	0
284-20.01	Sandy Cove Str.	0	0	0	0	6,000	13,140	57,000	117,353
284-11.01	Near Egg Island Stream	0	0	0	0	9,000	15,633	2,300	3,220
284-12.13	Little John Lagoon	0	0	0	0	2,200	2,233	0	0
284-12.12	Little John Sand Spit	0	0	0	0	0	0	0	0
284-12.11	Cannery Creek	0	0	0	0	500	950	200	380
284-12.05	Middle Lagoon	10,300	20,600	0	0	0	0	0	0
284-12.01	Hansen's Creek	500	1,000	0	0	50,000	98,493	0	0
284-60.08	Deadman's Cove	0	0	0	0	165,000	216,533	0	0
284-60.07	Whalebone Bay	0	0	0	0	2,300	3,470	0	0
284-60.06	Sankin Bay	0	0	0	0	28,000	40,047	0	0
284-60.05	Whirl Point	0	0	0	0	8,000	9,853	0	0
284-60.04	Ikatan River	0	0	0	0	16,000	28,360	0	0
284-60.03	Swede's Lake	0	0	0	0	3,400	6,460	0	0
284-60.01	Ikatan Point	0	0	0	0	39,200	55,473	0	0
Southwestern District Total		15,605	50,660	13,900	33,360	1,014,400	1,942,314	233,550	403,233
<b>UNIMAK DISTRICT</b>									
285-50.00	Dora Harbor Left	0	0	0	0	900	2,710	0	0
285-40.09	Otter Cove North	0	0	0	0	13,400	26,073	0	0
285-40.08	Otter Cove South	0	0	0	0	8,600	20,507	1,000	1,190
Unimak District Total		0	0	0	0	22,900	49,290	1,000	1,190
South Peninsula Total		23,955	102,210	14,475	34,740	2,283,937	4,422,605	358,680	690,404

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Table 6. (page 7 of 7)

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- <sup>a</sup> The Orzinski (Orzenoi) Lake and Thin Point Lake weir counts are included in the total escapement, however they are not included in the peak counts.
- <sup>b</sup> Peak count and estimated total escapement calculated from the historical average.

A fifteen day average stream life was used for all pink and chum salmon escapements.

For all pink and chum salmon escapements with only a peak count or where the computed value was less than the peak count, an expansion factor of 1.9 was used. The values were derived from the ratio of the of total estimated escapement to the peak count for streams where ascending, peak count, and descending counts were available.

Sockeye salmon escapements were estimated by an expansion factor of 1.25 for Acheredin Lake, Baralof Bay, and Mino Creek. All other sockeye salmon escapements were estimated by an expansion factor of 2.0. Coho salmon escapements were estimated by an expansion factor of 2.4.

Table 7. South Peninsula total indexed salmon escapements by species and year, 1962-94.

Year	Sockeye	Coho	Pink	Chum	Total
1962	18,800		1,598,800	399,400	2,017,000
1963	23,000		1,317,900	446,700	1,787,600
1964	15,700		1,436,400	454,800	1,906,900
1965	12,100		1,035,400	228,000	1,275,500
1966	17,000		719,400	422,000	1,158,400
1967	16,200		445,500	182,900	644,600
1968	12,800		823,300	279,100	1,115,200
1969	29,500		2,474,900	134,600	2,639,000
1970	16,500		1,298,900	280,500	1,595,900
1971	19,400		702,700	343,200	1,065,300
1972	11,900		111,400	254,500	377,800
1973	7,300		110,800	212,500	330,600
1974	95,600		284,400	257,300	637,300
1975	51,700		552,100	193,300	797,100
1976	69,700		1,456,400	327,200	1,853,300
1977	64,900		2,677,800	774,900	3,517,600
1978	64,800		2,858,700	600,500	3,524,000
1979	53,300		2,629,500	411,100	3,093,900
1980	45,900		2,641,600	362,400	3,049,900
1981	45,700		2,307,500	381,300	2,734,500
1982	39,200		2,293,000	386,900	2,719,100
1983	59,200		851,200	446,500	1,356,900
1984	54,800		3,811,600	699,700	4,566,100
1985	49,900		1,614,100	503,500	2,167,500
1986	48,000		1,716,700	544,600	2,309,300
1987	44,600		1,540,500	620,700	2,205,800
1988	74,100		2,839,600	496,400	3,410,100
1989	78,100		1,870,900	310,500	2,259,500
1990	95,300	87,500	1,598,400	354,700	2,135,900
1991	124,900		2,946,800	587,600	3,659,300
1992	97,600		2,834,400	335,500	3,267,500
1993	100,341		2,990,140	397,030	3,487,511
1994	120,255		3,073,225	601,700	3,772,580
<hr/>					
Average 1974-93					
	67,882		2,115,767	449,577	2,637,601
<hr/>					
Average 1984-93					
	76,764		2,376,314	485,013	2,946,841

Table 8. South Peninsula salmon harvest, all gear combined, season total by species and day, 1994.<sup>a</sup>

Month	Day	Permits	Landings	Number of Salmon					Total
				Chinook	Sockeye	Coho	Pink	Chum	
June	17	259	279	749	132,945	1	347,465	47,031	528,191
	18	180	200	415	84,147	2	145,217	29,153	258,934
	19	275	347	1,193	239,135	178	388,378	71,915	700,799
	20	189	208	465	129,747	6	171,620	33,568	335,406
	21	209	225	269	54,513	53	65,873	15,585	136,293
	22	236	268	768	137,203	102	200,657	43,019	381,749
	23	247	278	770	179,608	43	265,656	52,617	498,694
	24	234	298	531	115,940	125	119,171	32,602	268,369
	25	150	165	587	78,754	150	171,047	34,270	284,808
	26	130	143	480	86,618	62	151,119	30,556	268,835
	27	140	171	541	117,132	384	204,637	63,434	386,128
	28	142	177	539	123,895	253	173,244	83,098	381,029
	29	121	128	263	44,666	127	65,228	24,948	135,232
July	30	102	106	178	25,598	121	25,921	23,524	75,342
	6	6	8	1	2,729	2	56	63	2,851
	7	6	6	0	2,367	0	50	118	2,535
	9	48	65	21	40,410	199	1,286	736	42,652
	10	53	95	40	46,776	443	2,716	1,414	51,389
	11	20	23	7	3,964	16	154	163	4,304
	12	25	43	4	7,409	37	182	141	7,773
	13	19	27	2	5,012	0	151	8	5,173
	14	32	50	2	9,864	39	356	153	10,414
	15	20	24	5	3,731	136	438	249	4,559
	16	26	46	1	13,430	96	1,002	303	14,832
	17	28	40	0	7,106	52	954	422	8,534
	18	15	22	0	3,974	1	383	67	4,425
	19	9	16	0	1,969	2	204	6	2,181
	20	42	53	25	9,750	3,370	11,666	3,494	28,305
	21	63	105	41	22,201	4,181	22,593	6,863	55,879
	22	61	89	18	20,617	3,864	21,386	5,690	51,575
	23	59	93	18	17,948	4,709	22,108	5,786	50,569
	24	142	164	214	28,226	22,644	319,786	101,083	471,953
	25	94	110	57	14,821	2,402	302,652	39,324	359,256
	26	163	206	202	39,993	19,681	253,978	54,538	368,392
	27	7	8	0	534	23	408	34	999
	28	4	4	0	470	27	272	40	809
	29	154	194	155	34,695	14,469	552,581	59,685	661,585
	30	149	181	143	35,723	15,013	519,442	48,160	618,481
	31	129	150	62	20,934	8,478	348,685	40,296	418,455
August	1	148	165	140	22,303	16,491	539,787	85,720	664,441
	2	28	28	1	1,075	38	131,743	15,939	148,796
	3	26	26	0	772	58	134,571	7,372	142,773
	4	86	96	53	4,560	1,998	354,092	79,972	440,675
	5	150	181	105	19,403	18,319	526,101	98,587	662,515
	6	145	197	132	21,138	16,352	518,522	66,872	623,016
	7	32	35	8	1,221	202	196,612	15,928	213,971
	8	20	21	1	797	387	154,413	9,852	165,450
	9	70	84	22	8,724	5,038	219,661	78,275	311,720
	10	118	148	68	14,537	19,672	364,912	130,211	529,400
	11	131	165	97	15,007	22,069	342,935	86,457	466,565
	12	14	15	3	624	187	82,995	5,787	89,596
	13	4	4	0	168	30	16,179	1,158	17,535
	14	82	99	35	3,354	3,890	163,436	54,546	225,261

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Table 8. (page 2 of 2)

Month	Day	Permits	Landings	Number of Salmon					Total
				Chinook	Sockeye	Coho	Pink	Chum	
	15	103	115	20	5,722	6,702	186,817	85,101	284,362
	16	39	39	0	592	848	99,102	35,518	136,060
	17	32	35	0	166	221	64,422	49,265	114,074
	18	38	40	0	388	431	61,129	58,560	120,508
	19	31	33	5	421	632	55,150	42,905	99,113
	20	5	5	0	2	14	14,000	6	14,022
	21 <sup>b</sup>	*	*	*	*	*	*	*	*
	22	6	6	0	0	0	19,259	2,549	21,808
	23	3	3	0	0	52	9,967	0	10,019
	24 <sup>b</sup>	*	*	*	*	*	*	*	*
Sept.	1	59	62	1	3,671	6,328	54	95,578	105,632
	2	66	94	11	7,030	10,714	171	42,626	60,552
	5	43	45	0	2,752	4,137	69	29,314	36,272
	6	49	57	0	4,495	5,004	0	23,274	32,773
	7	42	48	4	2,780	3,921	0	22,546	29,251
	8	28	42	2	2,464	3,119	0	625	6,210
	9	10	12	0	817	755	0	105	1,677
	12 <sup>b</sup>	*	*	*	*	*	*	*	*
	15 <sup>b</sup>	*	*	*	*	*	*	*	*
	16 <sup>b</sup>	*	*	*	*	*	*	*	*
	20 <sup>b</sup>	*	*	*	*	*	*	*	*
	21 <sup>b</sup>	*	*	*	*	*	*	*	*
	22 <sup>b</sup>	*	*	*	*	*	*	*	*
	23 <sup>b</sup>	*	*	*	*	*	*	*	*
	27 <sup>b</sup>	*	*	*	*	*	*	*	*
	28 <sup>b</sup>	*	*	*	*	*	*	*	*
Total		342	6,731	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782

<sup>a</sup> Harvest numbers do not include test fish catches.

<sup>b</sup> Confidentially requirements prohibit reporting harvest by day.

Table 9. South Peninsula salmon harvest, all gear combined, season total by species and day, 1994.<sup>a</sup>

Month	Day	Number of Salmon							Total
		Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	
June	4 <sup>b</sup>	1	1	100	233	0	787	177	1,297
	6 <sup>b</sup>	1	1	92	1,356	0	4,303	1,294	7,045
	8 <sup>b</sup>	1	1	20	1,007	0	58	1,268	2,353
	9 <sup>b</sup>	1	1	0	1,153	0	1,733	519	3,405
	10 <sup>b</sup>	1	1	16	1,218	0	3,329	382	4,945
	11 <sup>b</sup>	1	1	34	3,653	0	5,403	958	10,048
	12 <sup>b</sup>	1	1	0	598	0	1,866	297	2,761
	13 <sup>b</sup>	1	1	68	1,295	0	1,748	547	3,658
	14 <sup>b</sup>	1	1	80	2,678	0	3,789	3,281	9,828
	15 <sup>b</sup>	1	1	10	1,060	0	2,114	887	4,071
	16 <sup>b</sup>	1	1	9	264	0	655	600	1,528
	17	260	280	749	133,440	1	349,300	47,333	530,823
	18	180	200	415	84,147	2	145,217	29,153	258,934
	19	275	347	1,193	239,135	178	388,378	71,915	700,799
	20	189	208	465	129,747	6	171,620	33,568	335,406
	21	209	225	269	54,513	53	65,873	15,585	136,293
	22	236	268	768	137,203	102	200,657	43,019	381,749
	23	247	278	770	179,608	43	265,656	52,617	498,694
	24	234	298	531	115,940	125	119,171	32,602	268,369
	25	150	165	587	78,754	150	171,047	34,270	284,808
	26	130	143	480	86,618	62	151,119	30,556	268,835
	27	140	171	541	117,132	384	204,637	63,434	386,128
	28	142	177	539	123,895	253	173,244	83,098	381,029
	29	121	128	263	44,666	127	65,228	24,948	135,232
	30	102	106	178	25,598	121	25,921	23,524	75,342
July	6	6	8	1	2,729	2	56	63	2,851
	7	6	6	0	2,367	0	50	118	2,535
	9	48	65	21	40,410	199	1,286	736	42,652
	10	53	95	40	46,776	443	2,716	1,414	51,389
	11	20	23	7	3,964	16	154	163	4,304
	12	25	43	4	7,409	37	182	141	7,773
	13	19	27	2	5,012	0	151	8	5,173
	14 <sup>c</sup>	33	51	38	10,216	911	1,264	380	12,809
	15 <sup>c</sup>	21	25	20	3,797	262	594	485	5,158
	16	26	46	1	13,430	96	1,002	303	14,832
	17 <sup>c</sup>	29	41	31	7,446	1,385	2,604	1,400	12,866
	18 <sup>c</sup>	16	23	5	4,009	109	667	554	5,344
	19	9	16	0	1,969	2	204	6	2,181
	20	42	53	25	9,750	3,370	11,666	3,494	28,305
	21	63	105	41	22,201	4,181	22,593	6,863	55,879
	22	61	89	18	20,617	3,864	21,386	5,690	51,575
	23	59	93	18	17,948	4,709	22,108	5,786	50,569
	24	142	164	214	28,226	22,644	319,786	101,083	471,953
	25 <sup>c</sup>	95	111	57	15,072	3,016	304,167	39,851	362,163
	26 <sup>c</sup>	164	207	207	40,054	19,991	254,817	54,617	369,686
August	27 <sup>c</sup>	8	9	7	643	879	3,586	157	5,272
	28	4	4	0	470	27	272	40	809
	29	154	194	155	34,695	14,469	552,581	59,685	661,585
	30	149	181	143	35,723	15,013	519,442	48,160	618,481
	31	129	150	62	20,934	8,478	348,685	40,296	418,455
	1	148	165	140	22,303	16,491	539,787	85,720	664,441
	2	28	28	1	1,075	38	131,743	15,939	148,796
	3	26	26	0	772	58	134,571	7,372	142,773

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Table 9. (page 2 of 2)

Month	Day	Number of Salmon							Total
		Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	
	4	86	96	53	4,560	1,998	354,092	79,972	440,675
	5	150	181	105	19,403	18,319	526,101	98,587	662,515
	6	145	197	132	21,138	16,352	518,922	66,872	623,016
	7	32	35	8	1,221	202	196,612	15,928	213,971
	8	20	21	1	797	387	154,413	9,852	165,450
	9	70	84	22	8,724	5,038	219,661	78,275	311,720
	10	118	148	68	14,537	19,672	364,912	130,211	529,400
	11	131	165	97	15,007	22,069	342,935	86,457	466,565
	12	14	15	3	624	187	82,995	5,787	89,596
	13	4	4	0	168	30	16,179	1,158	17,535
	14	82	99	35	3,354	3,890	163,436	54,546	225,261
	15	103	115	20	5,722	6,702	186,817	85,101	284,362
	16	39	39	0	592	848	99,102	35,518	136,060
	17	32	35	0	166	221	64,422	49,265	114,074
	18	38	40	0	388	431	61,129	58,560	120,508
	19	31	33	5	421	632	55,150	42,905	99,113
	20	5	5	0	2	14	14,000	6	14,022
	21 <sup>d</sup>	*	*	*	*	*	*	*	*
	22	6	6	0	0	0	19,259	2,549	21,808
	23	3	3	0	0	52	9,967	0	10,019
	24 <sup>d</sup>	*	*	*	*	*	*	*	*
Sept.	1	59	62	1	3,671	6,328	54	95,578	105,632
	2	66	94	11	7,030	10,714	171	42,626	60,552
	5	43	45	0	2,752	4,137	69	29,314	36,272
	6	49	57	0	4,495	5,004	0	23,274	32,773
	7	42	48	4	2,780	3,921	0	22,546	29,251
	8	28	42	2	2,464	3,119	0	625	6,210
	9	10	12	0	817	755	0	105	1,677
	12 <sup>d</sup>	*	*	*	*	*	*	*	*
	15 <sup>d</sup>	*	*	*	*	*	*	*	*
	16 <sup>d</sup>	*	*	*	*	*	*	*	*
	20 <sup>d</sup>	*	*	*	*	*	*	*	*
	21 <sup>d</sup>	*	*	*	*	*	*	*	*
	22 <sup>d</sup>	*	*	*	*	*	*	*	*
	23 <sup>d</sup>	*	*	*	*	*	*	*	*
	27 <sup>d</sup>	*	*	*	*	*	*	*	*
	28 <sup>d</sup>	*	*	*	*	*	*	*	*
Total		343	6,750	10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072

<sup>a</sup> Harvest numbers include test fish catches.

<sup>b</sup> Test fish harvest.

<sup>c</sup> One test fish delivery occurred on this date.

<sup>d</sup> Confidentially requirements prohibit reporting harvest by day.

Table 10. South Peninsula salmon harvest, in number of fish, by statistical area, section, and district, 1994.

Stat Area	Section	Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTH PENINSULA							
SOUTHEASTERN DISTRICT							
281-15	Kupreanof Point	121	18,081	26,452	60,053	26,550	131,257
281-25	Island & Fox Bays	<u>239</u>	<u>116,779</u>	<u>14,803</u>	<u>51,765</u>	<u>27,755</u>	<u>211,341</u>
	East Stepovak Section Total	360	134,860	41,255	111,818	54,305	342,598
281-30	Stepovak Flats Section	4	5,263	3	10,064	2,101	17,435
281-40	Grub Gulch/Clark Bay	33	21,657	1,192	24,080	23,341	70,303
281-50	Orzinski Bay	23	47,077	554	7,408	763	55,825
281-55	American Bay	3	24,127	1,046	5,670	2,431	33,277
281-60	Blunt Pt. to Dorenoi Bay	<u>2</u>	<u>14,844</u>	<u>1,981</u>	<u>41,103</u>	<u>6,192</u>	<u>64,122</u>
	Northwest Stepovak Section Total	61	107,705	4,773	78,261	32,727	223,527
281-70	Southwest Stepovak Section	57	41,958	4,861	26,670	7,676	81,222
281-80	Balboa Bay Section	72	39,567	3,933	107,668	26,327	177,567
281-90	Beaver Bay Section	<u>16</u>	<u>926</u>	<u>47</u>	<u>1,214</u>	<u>425</u>	<u>2,628</u>
	Southeastern Mainland Total	570	330,279	54,872	335,695	123,561	844,977
282-10	Popof Strait/Squaw Harbor	44	18,883	4,067	86,682	10,990	120,666
282-11	Unga Cape/East Popof	2,917	261,859	102,636	1,029,354	305,051	1,701,817
282-20	Acheredin Bay	33	45,014	2,137	29,131	6,681	82,996
282-25	West Unga Island	55	50,868	3,437	60,018	9,624	124,002
282-30	Bay Point	9	6,964	22	13,175	3,935	24,105
282-35	Zachary Bay	1	129	87	119,251	13,241	132,709
282-40	East Head/West Head	3	3,166	256	7,907	461	11,793
282-42	Korovin Island	1,420	211,445	16,224	376,873	102,555	708,517
282-50	Koniuji Island	1	21	0	0	4	26
282-65	Southeast Nagai Island	2	350	350	2,000	100	2,802
282-70	Southwest Nagai island	98	28,853	22,186	140,734	15,545	207,416
282-75	Cape Horn/Porpoise Rocks	15	1,373	727	58,440	2,364	62,919

-Continued-

Table 10. (page 2 of 3)

Stat. Area	Section	Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTH PENINSULA (Cont.)							
282-80	East Nagai Strait	<u>1</u>	<u>14</u>	<u>0</u>	<u>46</u>	<u>313</u>	<u>374</u>
	Shumagin Islands Section Total	4,599	628,939	152,129	1,923,611	470,864	3,180,142
SOUTHEASTERN DISTRICT TOTAL		5,169	959,218	207,001	2,259,306	594,425	4,025,119
SOUTH CENTRAL DISTRICT							
283-15	Mino Creek	7	16	14	144	42	223
283-17	Coal Bay	<u>18</u>	<u>7,847</u>	<u>766</u>	<u>526,151</u>	<u>9,141</u>	<u>543,923</u>
	Mino Creek-Little Coal Bay Section Total	25	7,863	780	526,295	9,183	544,146
283-21	North Side Cape Tolstoi	15	7,162	391	125,353	5,102	138,023
283-23	East Pavlof Bay	23	14,686	341	705,679	54,652	775,381
283-25	Northwest Pavlof Bay	0	488	239	9,632	90,356	100,715
283-26	Long Beach/Ukolnoi Island	<u>45</u>	<u>2,858</u>	<u>1,034</u>	<u>93,423</u>	<u>26,323</u>	<u>123,683</u>
	Pavlof Bay Section Total	83	25,194	2,005	934,087	176,433	1,137,802
283-24	Canoe Bay Section	22	1,131	59	221,187	132,048	354,447
SOUTH CENTRAL DISTRICT TOTAL		130	34,188	2,844	1,681,569	317,664	2,036,395
SOUTHWESTERN DISTRICT							
284-36	Volcano Bay	10	1,830	1,148	265,880	549,583	818,451
284-37	Northside Dolgoi Island	47	40,051	3,601	198,322	33,872	275,893
284-38	South Dolgoi/Moss Cape	<u>69</u>	<u>21,756</u>	<u>369</u>	<u>186,112</u>	<u>20,115</u>	<u>228,421</u>
	Volcano Bay Section Total	126	63,637	5,118	650,314	603,570	1,322,765
284-42	Belkofski Bay	56	13,618	828	585,728	78,625	678,855
284-45	King Cove	<u>20</u>	<u>14,364</u>	<u>292</u>	<u>288,210</u>	<u>32,572</u>	<u>335,458</u>
	Belkofski Bay Section Total	76	27,982	1,120	873,938	111,197	1,014,313

-Continued-



Table 10. (page 3 of 3)

Stat. Area	Section	Number of Salmon					Total
		Chinook	Sockeye	Coho	Pink	Chum	
SOUTH PENINSULA (Cont.)							
284-55	Deer Island Section	15	6,978	1,225	1,582,700	32,749	1,623,667
284-62	Outer Cold Bay	1	4,894	124	862	2,180	8,061
284-65	Lenard Harbor	0	145	79	18,320	8,057	26,601
284-67	Inner Cold Bay	<u>2</u>	<u>1,142</u>	<u>34</u>	<u>74,096</u>	<u>73,948</u>	<u>149,222</u>
	Cold Bay Section Total	3	6,181	237	93,278	84,185	183,884
284-75	Thin Point Section	4	15,445	9,471	64,378	26,829	116,127
284-80	Morzhovoi Bay Section	107	16,201	913	61,168	15,733	94,122
284-90	Ikatan Bay Section	971	252,101	26,077	683,055	88,106	1,050,310
SOUTHWESTERN DISTRICT TOTAL		1,302	388,525	44,161	4,008,831	962,369	5,405,188
UNIMAK DISTRICT							
285-10	Sanak Island Section	0	377	0	0	0	377
285-20	Bird Island	232	72,501	916	81,410	30,791	185,850
285-30	Cape Lazaref	<u>293</u>	<u>54,232</u>	<u>6</u>	<u>78,055</u>	<u>20,453</u>	<u>153,039</u>
	Otter Cove Section Total	525	126,733	922	159,465	51,244	338,889
284-40	Cape Lutke Section	2,876	598,192	977	1,070,682	266,377	1,939,104
UNIMAK DISTRICT TOTAL		3,401	725,302	1,899	1,230,147	317,621	2,278,370
SOUTH PENINSULA TOTAL							
		10,002	2,107,233	255,905	9,179,853	2,192,079	13,745,072

Harvest numbers include test fish harvests.

Table 11. South Peninsula salmon harvest by purse seine gear, season total by species and day, 1994.

Month	Day	Permits	Landings	Number of Salmon					Total
				Chinook	Sockeye	Coho	Pink	Chum	
June	17	96	97	540	70,941	1	328,498	25,004	424,984
	18	54	54	254	41,720	0	139,218	15,416	196,608
	19	105	116	903	156,535	170	375,237	53,380	586,225
	20	52	53	380	90,283	3	167,949	23,980	282,595
	21	67	73	182	25,885	38	62,600	7,278	95,983
	22	77	77	613	76,309	83	192,533	25,195	294,733
	23	83	85	635	109,652	0	257,145	33,963	401,395
	24	71	72	359	47,006	30	111,827	20,387	179,609
	25	68	69	534	55,928	106	167,273	29,304	253,145
	26	64	65	459	60,930	52	149,647	28,336	239,424
July	27	66	67	458	70,993	346	200,612	57,968	330,377
	28	59	61	457	74,622	179	168,357	76,265	319,880
	29	62	63	241	23,066	89	63,748	20,716	107,860
	30	58	58	169	16,300	57	25,159	22,671	64,356
	24	82	86	197	15,498	19,352	298,393	96,342	429,782
	25	50	53	48	5,384	977	283,661	34,843	324,913
	26	95	101	151	17,898	16,842	230,779	46,891	312,561
	29	89	96	116	15,991	10,300	527,657	51,835	605,899
	30	81	87	100	14,790	10,838	492,217	40,497	558,442
	31	72	74	45	9,983	6,093	333,297	34,330	383,748
August	1	103	109	133	15,813	14,926	524,966	80,616	636,454
	2	28	28	1	1,075	38	131,743	15,939	148,796
	3	26	26	0	772	58	134,571	7,372	142,773
	4	62	70	52	1,868	280	343,646	75,597	421,443
	5	85	92	98	10,983	14,808	506,417	89,992	622,298
	6	84	94	129	9,619	13,407	494,533	56,615	574,303
	7	31	34	8	1,186	202	196,212	15,653	213,261
	8	19	20	1	790	385	154,293	9,752	165,221
	9	42	45	16	3,611	4,369	211,321	73,046	292,363
	10	71	82	63	8,558	18,156	351,363	122,548	500,688
	11	87	95	90	8,599	20,361	331,512	78,225	438,787
	12	14	15	3	624	187	82,995	5,787	89,596
	13	4	4	0	168	30	16,179	1,158	17,535
	14	49	55	34	736	1,772	158,442	49,561	210,545
	15	64	65	20	2,265	4,086	182,599	82,239	271,209
	16	34	34	0	67	113	98,750	34,925	133,855
	17	31	34	0	135	156	64,163	48,881	113,335
	18	35	37	0	176	364	60,979	56,857	118,376
	19	27	28	5	139	480	54,815	40,852	96,291
	20	5	5	0	2	14	14,000	6	14,022
Sept.	21 <sup>a</sup>	*	*	*	*	*	*	*	*
	22	6	6	0	0	0	19,259	2,549	21,808
	23	3	3	0	0	52	9,967	0	10,019
	24 <sup>a</sup>	*	*	*	*	*	*	*	*
	1	13	14	0	2	250	0	93,217	93,469
	2	11	12	7	517	2,796	28	39,713	43,061
	5	4	4	0	0	0	69	28,672	28,741
	6	3	3	0	0	21	0	22,339	22,360
	7	4	4	4	88	89	0	21,814	21,995
	8 <sup>a</sup>	*	*	*	*	*	*	*	*
Total		118	2,529	7,505	1,067,507	163,057	8,727,511	1,898,761	11,864,341

<sup>a</sup> Confidentially requirements prohibit reporting harvest by day.

Table 12. South Peninsula salmon harvest by drift gillnet gear, season total by species and day, 1994.

Month	Day	Permits	Landings	Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
June	17	142	156	153	47,191	0	11,928	19,724	78,996
	18	76	83	112	27,489	2	3,105	12,421	43,129
	19	117	162	234	69,305	8	9,489	17,163	96,199
	20	92	93	51	25,991	0	2,628	8,672	37,342
	21	108	112	56	22,434	11	2,059	7,048	31,608
	22	113	120	111	47,121	15	6,016	16,507	69,770
	23	114	132	85	52,837	37	7,046	17,106	77,111
	24	101	114	98	32,454	72	5,306	11,068	48,998
	25	50	53	37	12,356	35	2,642	4,500	19,570
	26	24	24	12	5,988	2	821	1,758	8,581
	27	15	15	19	8,200	28	2,795	4,060	15,102
	28	27	29	34	12,915	64	3,047	5,461	21,521
	29	27	27	7	5,438	34	888	3,584	9,951
	30	11	11	2	1,384	51	460	458	2,355
July	20	12	12	7	1,550	2,305	2,890	1,400	8,152
	21	14	16	6	1,760	2,380	3,415	2,505	10,066
	22	7	7	4	900	1,425	1,820	1,305	5,454
	23	8	9	0	1,725	2,775	3,310	1,810	9,620
	24	7	7	2	1,380	2,525	3,630	1,675	9,212
	25	7	7	3	925	615	2,855	1,980	6,378
	26	8	8	1	1,107	1,149	3,057	1,857	7,171
	29	12	12	1	2,030	2,820	5,595	2,070	12,516
	30	11	11	0	1,335	2,465	4,780	1,710	10,290
	31	12	12	1	747	1,402	3,350	1,635	7,135
August	1	12	12	0	958	1,054	4,445	2,000	8,457
	4	11	11	0	1,170	1,200	5,207	2,000	9,577
	5	11	11	0	1,225	1,787	3,510	1,780	8,302
	6	11	12	0	750	827	2,520	1,203	5,300
	9	5	5	0	230	92	1,205	290	1,817
	10	5	5	0	275	132	1,665	665	2,737
	11 <sup>a</sup>	*	*	*	*	*	*	*	*
	15 <sup>a</sup>	*	*	*	*	*	*	*	*
Total		145	1,291	1,036	389,237	25,339	111,931	155,792	683,335

<sup>a</sup> Confidentially requirements prohibit reporting harvest by day.

Table 13. South Peninsula salmon harvest by set gillnet gear, season total by species and day, 1994.

Month	Day	Permits	Landings	Number of Salmon					Total
				Chinook	Sockeye	Coho	Pink	Chum	
June	17	21	26	56	14,813	0	7,039	2,303	24,211
	18	50	63	49	14,938	0	2,894	1,316	19,197
	19	53	69	56	13,295	0	3,652	1,372	18,375
	20	45	62	34	13,473	3	1,043	916	15,469
	21	34	40	31	6,194	4	1,214	1,259	8,702
	22	46	71	44	13,773	4	2,108	1,317	17,246
	23	50	61	50	17,119	6	1,465	1,548	20,188
	24	62	112	74	36,480	23	2,038	1,147	39,762
	25	32	43	16	10,470	9	1,132	466	12,093
	26	42	54	9	19,700	8	651	462	20,830
	27	59	89	64	37,939	10	1,230	1,406	40,649
	28	56	87	48	36,358	10	1,840	1,372	39,628
	29	32	38	15	16,162	4	592	648	17,421
July	30	33	37	7	7,914	13	302	395	8,631
	6	6	8	1	2,729	2	56	63	2,851
	7	6	6	0	2,367	0	50	118	2,535
	9	48	65	21	40,410	199	1,286	736	42,652
	10	53	95	40	46,776	443	2,716	1,414	51,389
	11	20	23	7	3,964	16	154	163	4,304
	12	25	43	4	7,409	37	182	141	7,773
	13	19	27	2	5,012	0	151	8	5,173
	14	32	50	2	9,864	39	356	153	10,414
	15	20	24	5	3,731	136	438	249	4,559
	16	26	46	1	13,430	96	1,002	303	14,832
	17	28	40	0	7,106	52	954	422	8,534
	18	15	22	0	3,974	1	383	67	4,425
	19	9	16	0	1,969	2	204	6	2,181
	20	30	41	18	8,200	1,065	8,776	2,094	20,153
	21	49	89	35	20,441	1,801	19,178	4,358	45,813
	22	54	82	14	19,717	2,439	19,566	4,385	46,121
	23	51	84	18	16,223	1,934	18,798	3,976	40,949
	24	53	71	15	11,348	767	17,763	3,066	32,959
	25	37	50	6	8,512	810	16,136	2,501	27,965
	26	60	97	50	20,988	1,690	20,142	5,790	48,660
	27	7	8	0	534	23	408	34	999
	28	4	4	0	470	27	272	40	809
	29	53	86	38	16,674	1,349	19,329	5,780	43,170
	30	57	83	43	19,598	1,710	22,445	5,953	49,749
	31	45	64	16	10,204	983	12,038	4,331	27,572
August	1	33	44	7	5,532	511	10,376	3,104	19,530
	4	13	15	1	1,522	518	5,239	2,375	9,655
	5	54	78	7	7,195	1,724	16,174	6,815	31,915
	6	50	91	3	10,769	2,118	21,469	9,054	43,413
	7 <sup>a</sup>	*	*	*	*	*	*	*	*
	8 <sup>a</sup>	*	*	*	*	*	*	*	*
	9	23	34	6	4,883	577	7,135	4,939	17,540
	10	42	61	5	5,704	1,384	11,884	6,998	25,975
	11	43	69	7	6,356	1,698	11,078	7,925	27,064
	14	33	44	1	2,618	2,118	4,994	4,985	14,716
	15	37	48	0	3,442	2,599	4,116	2,792	12,949

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Table 13. (page 2 of 2)

Month	Day	Permits	Landings	Number of Salmon					Total
				Chinook	Sockeye	Coho	Pink	Chum	
Sept.	16	5	5	0	525	735	352	593	2,205
	17 <sup>a</sup>	*	*	*	*	*	*	*	*
	18	3	3	0	212	67	150	1,703	2,132
	19	4	5	0	282	152	335	2,053	2,822
	1	46	48	1	3,669	6,078	54	2,361	12,163
	2	55	82	4	6,513	7,918	143	2,913	17,491
	5	39	41	0	2,752	4,137	0	642	7,531
	6	46	54	0	4,495	4,983	0	935	10,413
	7	38	44	0	2,692	3,832	0	732	7,256
	8	27	41	2	2,464	3,019	0	390	5,875
	9	10	12	0	817	755	0	105	1,677
	12 <sup>a</sup>	*	*	*	*	*	*	*	*
	15 <sup>a</sup>	*	*	*	*	*	*	*	*
	16 <sup>a</sup>	*	*	*	*	*	*	*	*
	20 <sup>a</sup>	*	*	*	*	*	*	*	*
	21 <sup>a</sup>	*	*	*	*	*	*	*	*
	22 <sup>a</sup>	*	*	*	*	*	*	*	*
	23 <sup>a</sup>	*	*	*	*	*	*	*	*
	27 <sup>a</sup>	*	*	*	*	*	*	*	*
	28 <sup>a</sup>	*	*	*	*	*	*	*	*
Total		79	2,911	933	634,265	63,290	304,261	124,357	1,127,106

<sup>a</sup> Confidentially requirements prohibit reporting harvest by day.

Table 14. South Peninsula salmon harvest by test fish project, season total by species and day, 1994.

Month	Day	Permits	Landings	Number of Salmon					
				Chinook	Sockeye	Coho	Pink	Chum	Total
June	4	1	1	100	233	0	787	177	1,297
	6	1	1	92	1,356	0	4,303	1,294	7,045
	8	1	1	20	1,007	0	58	1,268	2,353
	9	1	1	0	1,153	0	1,733	519	3,405
	10	1	1	16	1,218	0	3,329	382	4,945
	11	1	1	34	3,653	0	5,403	958	10,048
	12	1	1	0	598	0	1,866	297	2,761
	13	1	1	68	1,295	0	1,748	547	3,658
	14	1	1	80	2,678	0	3,789	3,281	9,828
	15	1	1	10	1,060	0	2,114	887	4,071
	16	1	1	9	264	0	655	600	1,528
	17	1	1	0	495	0	1,835	302	2,632
July	14	1	1	36	352	872	908	227	2,395
	15	1	1	15	66	126	156	236	599
	17	1	1	31	340	1,333	1,650	978	4,332
	18	1	1	5	35	108	284	487	919
	25	1	1	0	251	614	1,515	527	2,907
	26	1	1	5	61	310	839	79	1,294
	27	1	1	7	109	856	3,178	123	4,273
Total		1	19	528	16,224	4,219	36,150	13,169	70,290

Table 15. South Peninsula salmon harvest, in number of salmon by species, district, and gear, 1994.<sup>a</sup>

	Number Of Salmon					
	Chinook	Sockeye	Coho	Pink	Chum	Total
SOUTHEASTERN DISTRICT						
Seine	3,985	437,744	153,272	2,017,793	497,447	3,110,241
Set Gillnet	<u>656</u>	<u>505,250</u>	<u>49,510</u>	<u>205,363</u>	<u>83,809</u>	<u>844,588</u>
Total	4,641	942,994	202,782	2,223,156	581,256	3,954,829
SOUTH CENTRAL DISTRICT						
Seine	129	17,912	2,759	1,676,340	313,925	2,011,065
Set Gillnet	<u>1</u>	<u>16,276</u>	<u>85</u>	<u>5,229</u>	<u>3,739</u>	<u>25,330</u>
Total	130	34,188	2,844	1,681,569	317,664	2,036,395
SOUTHWESTERN DISTRICT						
Seine	841	186,680	5,309	3,845,198	880,081	4,918,109
Drift Gillnet	230	97,216	25,166	73,738	46,992	243,342
Set Gillnet	<u>231</u>	<u>104,629</u>	<u>13,686</u>	<u>89,895</u>	<u>35,296</u>	<u>243,737</u>
Total	1,302	388,525	44,161	4,008,831	962,369	5,405,188
UNIMAK DISTRICT						
Seine	2,550	425,171	1,717	1,188,180	207,308	1,824,926
Drift Gillnet	806	292,021	173	38,193	108,800	439,993
Set Gillnet	<u>45</u>	<u>8,110</u>	<u>9</u>	<u>3,774</u>	<u>1,513</u>	<u>13,451</u>
Total	3,401	725,302	1,899	1,230,147	317,621	2,278,370
SOUTH PENINSULA TOTAL						
Seine	7,505	1,067,507	163,057	8,727,511	1,898,761	11,864,341
Drift Gillnet	1,036	389,237	25,339	111,931	155,792	683,335
Set Gillnet	<u>933</u>	<u>634,265</u>	<u>63,290</u>	<u>304,261</u>	<u>124,357</u>	<u>1,127,106</u>
Total	9,474	2,091,009	251,686	9,143,703	2,178,910	13,674,782

<sup>a</sup> Numbers of salmon do not include test fish harvests.

Table 16. Estimated exvessel value of South Peninsula June and post June fisheries, 1984-94.

	Species					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1984						
June	66,000	6,100,000	0	215,000	800,000	7,181,000
Post June	114,000	5,192,000	1,319,000	10,658,000	2,348,000	19,631,000
Total	180,000	11,292,000	1,319,000	10,873,000	3,148,000	26,812,000
1985						
June	175,000	12,230,000	15,000	30,000	1,185,000	13,635,000
Post June	11,000	1,016,000	866,000	3,755,000	1,737,000	7,385,000
Total	186,000	13,246,000	881,000	3,785,000	2,922,000	21,020,000
1986						
June	33,000	3,427,000	0	62,000	932,000	4,454,000
Post June	40,000	7,503,000	1,068,000	2,668,000	3,488,000	14,767,000
Total	73,000	10,930,000	1,068,000	2,730,000	4,420,000	19,221,000
1987						
June	147,000	9,113,000	0	4,000	1,397,000	10,661,000
Post June	69,000	5,334,000	1,398,000	1,769,000	2,444,000	11,014,000
Total	216,000	14,447,000	1,398,000	1,773,000	3,841,000	21,675,000
1988						
June	121,000	10,216,000	0	99,000	3,721,000	14,157,000
Post June	144,000	10,864,000	4,114,000	19,705,000	8,218,000	43,045,000
Total	265,000	21,080,000	4,114,000	19,804,000	11,939,000	57,202,000
1989						
June	76,000	16,712,000	0	130,000	1,530,000	18,448,000
Post June	69,000	7,880,000	2,388,000	9,399,000	1,225,000	20,961,000
Total	145,000	24,592,000	2,388,000	9,529,000	2,755,000	39,409,000
1990						
June	119,000	14,057,000	0	242,000	1,521,000	15,939,000
Post June	184,000	8,647,000	1,600,000	2,531,000	1,418,000	14,380,000
Total	303,000	22,704,000	1,600,000	2,773,000	2,939,000	30,319,000

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Table 16. (page 2 of 2)

	Species					
Year	Chinook	Sockeye	Coho	Pink	Chum	Total
1991						
June	65,000	7,400,000	40	1,800,000	1,200,000	10,465,040
Post June	22,000	3,869,000	871,960	2,131,000	1,125,000	8,018,960
Total	87,000	11,269,000	872,000	3,931,000	2,325,000	18,484,000
1992						
June	64,000	21,774,000	0	138,000	1,075,000	23,051,000
Post June	39,000	8,561,000	1,666,000	5,266,000	1,463,000	16,995,000
Total	103,000	30,335,000	1,666,000	5,404,000	2,538,000	40,046,000
1993						
June	126,151	13,155,634	3,013	16,250	889,534	14,190,582
Post June	34,001	3,465,832	645,324	4,648,857	879,250	9,673,264
Total	160,152	16,621,466	648,337	4,665,107	1,768,784	23,863,846
1994						
June	100,000	6,382,000	4,170	657,500	911,000	8,054,670
Post June	9,400	4,215,000	932,830	3,980,500	2,773,000	11,910,730
Total	109,400	10,597,000	937,000	4,638,000	3,684,000	19,965,400
1984-93 Average						
June	99,215	11,418,463	1,805	273,625	1,425,053	13,218,162
Post June	72,600	6,233,183	1,593,628	6,253,086	2,434,525	16,587,022
Total	171,815	17,651,647	1,595,434	6,526,711	3,859,578	29,805,185

Table 17. Estimated exvessel value of South Peninsula commercial salmon fisheries, 1994<sup>a</sup>.

	Species					
	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>South Unimak and Shumagin Islands June fisheries</i>						
Poundage	145,848	7,487,530	9,107	6,618,391	3,690,543	17,951,419
Avg. Wt.	19.2	5.1	5.8	2.7	6.3	
Value/pound	0.69	0.85	0.46	0.10	0.25	
Total value	100,000	6,382,000	4,170	657,500	911,000	8,054,670
<i>South Peninsula post June Fisheries<sup>b</sup></i>						
Poundage	27,181	3,978,595	1,899,381	24,192,981	10,919,863	41,018,001
Avg. Wt.	11.3	6.2	7.5	3.6	6.8	
Value/pound	0.35	1.06	0.49	0.16	0.25	
Total Value	9,400	4,215,000	932,830	3,980,500	2,773,000	11,910,730
<i>Total South Peninsula fisheries</i>						
Poundage	173,029	11,466,125	1,908,488	30,811,372	14,610,406	58,969,420
Avg. Wt.	17.3	5.4	7.5	3.4	6.7	
Value/pound	0.63	0.92	0.49	0.15	0.25	
Total Value	109,400	10,597,000	937,000	4,638,000	3,684,000	19,965,400

<sup>a</sup> Figures are estimates based on limited information and do not include test fisheries.

<sup>b</sup> Figures include Southeastern District Mainland June catches.

Table 18. South Unimak and Shumagin Islands June sockeye and chum salmon harvest, all gear combined, in number of fish, 1911-94.<sup>a</sup>

Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1911	58,000	3,000	61,000			
1912	144,000	31,000	175,000			
1913	415,000	0	415,000			
1914	610,000	0	610,000			
1915	251,000	0	251,000			
1916	539,000	0	539,000			
1917	1,322,000	34,000	1,356,000			
1918	733,000	44,000	777,000			
1919	545,000	32,000	577,000			
1920	954,000	60,000	1,014,000			
1921	831,000	0	831,000			
1922	2,775,000	550,000	3,325,000			
1923	1,340,000	343,000	1,683,000			
1924	971,000	237,000	1,208,000			
1925	357,000	374,000	731,000			
1926	1,898,000	491,000	2,389,000			
1927	455,000	185,000	640,000			
			1928 - 1933 Unavailable			
1934	516,000	1,019,000	1,535,000			
1935	210,000	549,000	759,000			
1936	1,531,000	1,490,000	3,021,000			
1937	803,000	498,000	1,301,000			
1938	164,000	454,000	618,000			
1939	474,000	707,000	1,181,000			
1940	479,000	713,000	1,192,000			
1941	206,000	294,000	496,000			
1942	152,000	412,000	566,000			
1943	428,000	1,356,000	1,784,000			
1944	188,000	264,000	452,000			
1945	218,000	375,000	593,000			
1946	342,000	257,000	599,000			
1947	782,000	229,000	1,011,000			
1948	276,000	126,000	402,000			
1949	84,000	167,000	251,000			
1950	292,000	134,000	426,000			
1951	82,000	35,000	117,000			
1952	191,000	121,000	312,000			

-Continued-

Table 18. (page 2 of 3)

Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1953	191,000	105,000	296,000			
1954	325,000	49,000	374,000			
1955	315,000	52,000	367,000			
1956	290,000	47,000	337,000			
1957	50,000	44,000	94,000			
1958	104,000	28,000	132,000			
1959	58,000	78,000	136,000			
1960	137,000	19,000	156,000	84,000	11,000	95,000
1961	199,000	55,000	254,000	157,000	36,000	193,000
1962	272,000	54,000	326,000	209,000	61,000	270,000
1963	116,000	33,000	116,000	36,000	36,000	117,000
1964	159,000	85,000	244,000	161,000	67,000	228,000
1965	568,000	207,000	775,000	121,000	45,000	166,000
1966	528,000	54,000	582,000	215,000	17,000	232,000
1967	186,000	69,000	255,000	73,000	51,000	124,000
1968	342,000	233,000	575,000	115,000	51,000	166,000
1969	781,000	76,000	857,000	254,000	13,000	267,000
1970	1,510,399	139,735	1,650,134	397,003	44,909	441,912
1971	422,760	39,341	462,101	405,311	103,886	509,197
1972	426,799	74,398	501,197	411,019	107,810	518,829
1973	222,586	22,964	245,550	177,720	22,910	200,630
1974	0	0	0	0	0	0
1975	190,774	49,325	240,099	65,279	35,543	100,822
1976	233,211	72,016	305,227	336,238	74,109	410,347
1977	195,680	45,912	241,592	94,215	21,899	116,114
1978	418,959	67,876	486,835	103,429	18,479	121,908
1979	672,293	179,139	851,432	63,153	40,953	104,106
1980	2,731,148	475,127	3,206,275	458,499	50,366	508,865
1981	1,470,563	350,572	1,821,135	509,911	54,071	563,982
1982	1,668,153	450,548	2,118,701	933,728	161,316	1,095,044
1983	1,547,369	416,494	1,963,863	616,390	169,277	785,667
1984	1,131,365	256,838	1,388,203	227,913	109,207	337,120
1985	1,454,969	336,431	1,791,400	324,825	109,004	433,829
1986	315,370	156,027	471,397	252,721	99,048	351,769
1987	653,536	140,567	794,103	406,077	37,064	443,141
1988	474,457	282,230	756,687	464,765	61,946	526,711
1989	1,347,547	396,958	1,744,505	407,635	47,528	455,163
1990	1,090,710	255,585	1,346,295	455,238	63,501	518,739
1991	1,215,658	333,272	1,548,930	670,103	102,602	772,705

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Table 18. (page 3 of 3)

Year	Sockeye			Chum		
	South Unimak	Shumagin Islands	Total	South Unimak	Shumagin Islands	Total
1992	2,046,022	411,834	2,457,856	323,891	102,312	426,203
1993	2,366,573	607,171	2,973,744	381,941	150,306	532,247
1994	1,001,250	460,013	1,461,263	374,409	207,756	582,165
1974-93 Average	1,061,218	264,196	1,325,414	354,798	75,427	430,224
1984-93 Average	1,209,621	317,691	1,527,312	391,511	88,252	479,763

<sup>a</sup> Numbers of salmon do not include test fish harvests.

Table 19. South Unimak and Shumagin Islands June fisheries regulation history, 1962-94.

Year	South Unimak	Shumagin Islands
1962-66	5 days per week	5 days per week
1967-70	7 days per week	7 days per week
1971-72	6:00 A.M. Monday - 6:00 A.M. Saturday	7 days per week
1973	*Four 13 hour fishing periods per week	*Four 13 hour fishing periods per week.
* Both fisheries were closed by emergency order during June 25-28 due to indications of the Bristol Bay run being below escapement requirements.		
1974	No fishery	No fishery
1975-83	*6.8% of predicted Bristol Bay catch	1.5% of predicted Bristol Bay catch
1984-89	No more than 96 hours per 7 day period and no more than 72 hours of consecutive fishing time in each fishery (windows).	
1986	*6.8% allocation minus June 26-30 segment Windows No fishing before June 11	1.5% allocation minus June 26-30 segment Windows No fishing before June 11
A 400,000 chum salmon ceiling placed on both fisheries combined.		
1987	*Same as during 1984-85 for both fisheries.	
1988-89	*6.8 of predicted Bristol Bay catch Windows	1.5% of predicted Bristol Bay catch Windows
A 500,000 chum salmon ceiling placed on both fisheries combined.		

-Continued-

Table 19. (page 2 of 2)

Dates	South Unimak	Shumagin Islands						
*Each sockeye allocation is broken down into time period guideline harvest levels.								
June 1 - 11	5%	9%						
June 12 - 18	29% 28%							
June 19 - 25	51% 41%							
June 26 - 30	<u>15%</u> <u>22%</u>							
	100%	100%						
1990-91	<p>The chum ceiling was increased from 500,000 to 600,000.</p> <p>The "Window Regulations" implemented in 1984 to limit the amount of fishing time that could be allowed were deleted.</p> <p>The season was delayed until June 13 and the time period sockeye allocations for both fisheries were changed as follow:</p> <table><tr><td>June 13-18</td><td>35%</td></tr><tr><td>June 19-25</td><td>45%</td></tr><tr><td>June 26-30</td><td>20%</td></tr></table> <p>The gear depth for seines was limited to 375 meshes of which mesh size may not exceed 3-1/2 inches except for the first 25 meshes above the lead line which may not exceed 7 inches.</p> <p>The gear depth on gillnets along the South Peninsula was limited to no more than 90 meshes.</p> <p>Seine leads may not exceed 150 fathoms for the entire Alaska Peninsula.</p>		June 13-18	35%	June 19-25	45%	June 26-30	20%
June 13-18	35%							
June 19-25	45%							
June 26-30	20%							
1992-93	<p>The chum ceiling was increased from 600,000 to 700,000 fish. The other regulations were the same as in effect for 1990 and 1991.</p>							
1994	<p>Sockeye time period allocations eliminated. ADF&amp;G given flexibility to open the fishery after June 10 if sockeye to chum ratios were favorable.</p>							

Table 20. South Unimak and Shumagin Islands June salmon harvest, in number of fish, by species, 1970-94<sup>a</sup>.

Year	Permits	Landings	Species					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	202	2,926	1,016	1,650,134	48	107,445	441,912	2,200,555
1971	166	1,986	828	462,101	1	19,240	509,197	991,367
1972	185	2,097	642	501,197	20	17,924	518,829	1,038,612
1973	142	1,043	247	245,550	28	19,430	200,630	465,885
1974	0	0	0	0	0	0	0	0
1975	108	510	117	240,099	1	5,247	100,822	346,286
1976	147	1,393	2,134	305,227	3	23,902	410,347	741,613
1977	131	821	521	241,592	0	5,398	116,114	363,625
1978	159	1,570	536	486,835	3	89,942	121,908	699,224
1979	196	1,697	1,053	851,432	290	154,813	104,106	1,111,694
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,401	5,672	1,821,135	320	451,252	563,982	2,842,361
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	282	1,729	13,463	1,963,863	496	55,875	785,667	2,819,364
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,117	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,027	5,163	794,103	380	16,982	443,141	1,259,769
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	322	2,732	10,335	1,346,359	1	515,297	518,755	2,390,747
1991	335	2,031	4,567	1,553,150	12	620,108	776,120	2,953,957
1992	322	1,928	3,760	2,462,675	4	643,348	428,136	3,537,923
1993	328	2,267	9,552	2,978,453	1,233	81,176	533,270	3,603,684
1994	325	2,763	8,019	1,476,273	1,579	2,520,134	592,677	4,598,682
1974-93 Average								
	241	1,680	4,277	1,326,105	379	380,321	430,543	2,141,625
1984-93 Average								
	309	1,883	5,173	1,528,693	437	357,485	480,401	2,372,189

<sup>a</sup>Numbers of salmon include test fish harvests.



Table 21. South Unimak and Shumagin Islands June fisheries salmon harvest, all gear combined, in number of fish by species, 1970-94.<sup>a</sup>

Year	Permits	Landings	Species					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	202	2,926	1,016	1,650,134	48	107,445	441,912	2,200,555
1971	166	1,986	828	462,101	1	19,240	509,197	991,367
1972	185	2,097	642	501,197	20	17,924	518,829	1,038,612
1973	142	1,043	247	245,550	28	19,430	200,630	465,885
1974	0	0	0	0	0	0	0	0
1975	108	510	117	240,099	1	5,247	100,822	346,286
1976	147	1,393	2,134	305,227	3	23,902	410,347	741,613
1977	131	821	521	241,592	0	5,398	116,114	363,625
1978	159	1,570	536	486,835	3	89,942	121,908	699,224
1979	196	1,697	1,053	851,432	290	154,813	104,106	1,111,694
1980	225	2,044	3,193	3,206,275	853	1,526,306	508,865	5,245,492
1981	243	2,401	5,672	1,821,135	320	451,252	563,982	2,842,361
1982	251	2,612	7,131	2,118,701	1,241	1,718,825	1,095,044	4,940,942
1983	282	1,729	13,463	1,963,863	496	55,875	785,667	2,819,364
1984	280	1,117	3,854	1,388,203	14	919,876	337,120	2,649,067
1985	305	2,117	5,777	1,791,400	2,468	106,615	433,829	2,340,089
1986	298	1,486	1,895	471,397	2	291,989	351,769	1,117,052
1987	290	2,027	5,163	794,103	380	16,982	443,141	1,259,769
1988	301	1,777	4,064	756,687	255	180,224	526,711	1,467,941
1989	305	1,350	2,758	1,744,505	0	199,235	455,163	2,401,661
1990	321	2,731	10,333	1,346,295	1	515,240	518,739	2,390,608
1991	334	2,025	4,473	1,548,930	12	619,137	772,705	2,945,257
1992	322	1,925	3,760	2,457,856	4	642,090	426,203	3,529,913
1993	328	2,262	9,466	2,973,744	1,233	81,136	532,247	3,597,826
1994	325	2,751	7,590	1,461,263	1,579	2,492,514	582,165	4,545,111
1974-93 Average								
	241	1,680	4,268	1,325,414	379	380,204	430,224	2,140,489
1984-93 Average								
	308	1,882	5,154	1,527,312	437	357,252	479,763	2,369,918

<sup>a</sup> Numbers of salmon do not include test fish harvest.

Table 22. South Unimak June salmon harvest, all gear combined, in number of fish, by species, 1970-94<sup>a</sup>.

Year	Permits	Landings	Species					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	176	2,627	868	1,510,399	46	87,717	397,003	1,996,033
1971	147	1,685	549	422,760	0	11,608	405,311	840,228
1972	166	1,770	400	426,799	4	11,906	411,019	850,128
1973	133	923	145	222,586	11	11,152	177,720	411,614
1974	0	0	0	0	0	0	0	0
1975	98	445	101	190,774	1	3,205	65,279	259,360
1976	133	1,192	1,829	233,211	3	18,259	336,238	589,540
1977	120	744	393	195,680	0	3,397	94,215	293,685
1978	141	1,338	269	418,959	3	47,380	103,429	570,040
1979	158	1,305	578	672,293	38	49,000	63,153	785,062
1980	188	1,666	2,927	2,731,148	853	1,140,611	458,499	4,334,038
1981	226	2,097	4,455	1,470,563	83	325,004	509,911	2,310,016
1982	225	2,313	5,577	1,668,153	1,241	1,032,154	933,728	3,640,853
1983	258	1,418	8,186	1,547,369	493	40,441	616,390	2,212,879
1984	226	814	2,024	1,131,365	0	470,688	227,913	1,831,990
1985	255	1,593	4,101	1,454,969	2	69,811	324,825	1,853,708
1986	236	1,093	1,363	315,370	1	150,674	252,721	720,129
1987	229	1,746	4,017	653,536	380	11,342	406,077	1,075,352
1988	211	1,144	2,125	474,457	11	86,678	464,765	1,028,036
1989	266	1,035	2,263	1,347,547	0	154,168	407,635	1,911,613
1990	271	2,146	8,465	1,090,710	1	444,442	455,238	1,998,856
1991 <sup>b</sup>	267	1,628	3,066	1,215,658	5	500,922	670,103	2,389,754
1992	273	1,597	2,373	2,046,022	3	501,127	323,891	2,873,416
1993	245	1,681	4,587	2,366,573	506	37,735	381,941	2,791,342
1994	265	1,927	4,468	1,001,250	1,271	1,731,741	374,409	3,113,139
<hr/>								
1974-93 Average								
	201	1,350	2,935	1,061,218	181	254,352	354,798	1,673,483
1984-93 Average								
	248	1,448	3,438	1,209,621	91	242,759	391,511	1,847,420

<sup>a</sup> Numbers of salmon do not include test fish harvests.

<sup>b</sup> A South Unimak test fishery resulted in the additional harvest of 377 sockeye and 306 chum salmon.

Table 23. Shumagin Islands June salmon harvest, all gear combined, in number of fish, by species, 1970-94<sup>a</sup>.

Year	Permits	Landings	Species					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	40	299	148	139,735	2	19,728	44,909	204,522
1971	31	301	279	39,341	1	7,632	103,886	151,139
1972	32	327	242	74,398	16	6,018	107,810	188,484
1973	21	120	102	22,964	17	8,278	22,910	54,271
1974	0	0	0	0	0	0	0	0
1975	20	65	16	49,325	0	2,042	35,543	86,926
1976	30	201	305	72,016	0	5,643	74,109	152,073
1977	25	77	128	45,912	0	2,001	21,899	69,940
1978	30	232	267	67,876	0	42,562	18,479	129,184
1979	47	392	475	179,139	252	105,813	40,953	326,632
1980	54	378	266	475,127	0	385,695	50,366	911,454
1981	43	304	1,217	350,572	237	126,248	54,071	532,345
1982	48	299	1,554	450,548	0	686,671	161,316	1,300,089
1983	69	311	5,277	416,494	3	15,434	169,277	606,485
1984	99	303	1,830	256,838	14	449,188	109,207	817,077
1985	110	524	1,676	336,431	2,466	36,804	109,004	486,381
1986	72	393	532	156,027	1	141,315	99,048	396,923
1987	97	281	1,146	140,567	0	5,640	37,064	184,417
1988	97	633	1,939	282,230	244	93,546	61,946	439,905
1989	104	315	495	396,958	0	45,067	47,528	490,048
1990	95	585	1,868	255,585	0	70,798	63,501	391,752
1991	101	397	1,407	333,272	7	118,215	102,602	555,503
1992	103	328	1,387	411,834	1	140,963	102,312	656,497
1993	106	581	4,879	607,171	727	43,401	150,306	806,484
1994	106	824	3,122	460,013	308	760,773	207,756	1,431,972
<hr/>								
1974-93 Average	67	330	1,333	264,196	198	125,852	75,427	467,006
1984-93 Average	98	434	1,716	317,691	346	114,494	88,252	522,499

<sup>a</sup> Numbers of salmon do not include test fish harvests.

Table 24. South Unimak and Shumagin Islands June fisheries, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-94.

Year	S. Unimak-Shumagin Islands Guideline Harvest Level (GHL)	Actual S. Unimak-Shumagin Is. Harvest <sup>a</sup>	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	S. Unimak-Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest <sup>b</sup>	S. Unimak-Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest <sup>b</sup>	S. Unimak-Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted <sup>b</sup>
1975	215,000	240,099	4,898,814	5,138,913	4.18	4.67	427,000
1976	425,000	305,227	5,619,292	5,924,519	7.17	5.15	492,000
1977	237,000	241,592	4,877,880	5,119,472	4.63	4.72	425,000
1978	522,000	486,835	9,928,139	10,414,974	5.01	4.67	864,000
1979	1,100,000	851,432	21,428,606	22,280,038	4.94	3.82	1,849,000
1980 <sup>c</sup>	3,068,000	3,206,275	23,761,746	26,968,021	11.38	11.89	2,238,000
1981	1,760,000	1,821,135	25,603,081	27,424,216	6.42	6.64	2,276,000
1982	2,258,000	2,118,701	15,104,391	17,223,092	13.11	12.30	1,430,000
1983	1,793,000	1,963,863	37,372,031	39,335,894	4.56	4.99	3,265,000
1984	1,356,000	1,388,203	24,710,306	26,098,509	5.20	5.32	2,166,000
1985	1,685,000	1,791,400	23,702,883	25,494,283	6.61	7.03	2,116,000
1986 <sup>d</sup>	1,107,000	471,397	15,776,056	16,247,453	6.81	2.90	1,349,000
1987	775,000	794,103	16,068,775	16,862,878	4.60	4.71	1,400,000
1988 <sup>d</sup>	1,542,000	756,687	13,989,757	14,746,444	10.46	5.13	1,224,000
1989	1,463,000	1,744,505	28,735,306	30,479,811	4.80	5.72	2,530,000
1990	1,327,000	1,346,295	33,523,127	34,869,422	3.81	3.86	2,894,000
1991 <sup>d</sup>	1,920,000	1,548,930	26,233,469	27,782,399	6.91	5.58	2,306,000
1992 <sup>e</sup>	2,391,000	2,457,856	31,967,121	34,424,977	6.95	7.14	2,857,000
1993 <sup>e</sup>	2,899,000	2,973,744	40,842,635	43,816,379	6.62	6.79	3,637,000
1994 <sup>e</sup>	3,586,000	1,461,263	35,265,000	36,726,000	9.76	3.98	3,048,000

<sup>a</sup> Numbers of salmon do not include test fish harvests.

<sup>b</sup> These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak and Shumagin Islands June sockeye harvests together and determining or applying the appropriate percentages. Calculations assume all sockeye salmon caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

<sup>c</sup> 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

<sup>d</sup> Sockeye allocations were not reached largely, if not totally, due to a chum cap.

<sup>e</sup> Bristol Bay harvest numbers are preliminary.

Table 25. South Unimak June fishery, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-94.

Year	S. Unimak Guideline Harvest Level (GHL)	Actual S. Unimak Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak- Shumagin Harvest	S. Unimak GHL % of Combined Bristol Bay & S. Unimak- Shumagin Harvest <sup>a</sup>	S. Unimak Harvest % of Combined Bristol Bay- S. Unimak Harvest <sup>b</sup>	S. Unimak GHL if Actual Bristol Bay Harvest Was Forecasted <sup>b</sup>
1975	165,000	190,774	4,898,814	5,138,913	3.21	3.71	349,000
1976	350,000	233,211	5,619,292	5,924,519	5.91	3.94	403,000
1977	195,000	195,680	4,877,880	5,119,472	3.81	3.82	348,000
1978	428,000	418,959	9,928,139	10,414,974	4.11	4.02	708,000
1979	900,000	672,293	21,428,606	22,280,038	4.04	3.02	1,515,000
1980 <sup>c</sup>	2,513,000	2,731,148	23,761,746	26,968,021	9.32	10.13	1,834,000
1981	1,442,000	1,470,563	25,603,081	27,424,216	5.26	5.36	1,865,000
1982	1,850,000	1,668,153	15,104,391	17,223,092	10.74	9.69	1,171,000
1983	1,469,000	1,547,369	37,372,031	39,335,894	3.73	3.93	2,675,000
1984	1,111,000	1,131,365	24,710,306	26,098,509	4.26	4.33	1,775,000
1985	1,380,000	1,454,969	23,702,883	25,494,283	5.41	5.71	1,734,000
1986 <sup>d</sup>	907,000	315,370	15,776,056	16,247,453	5.58	1.94	1,105,000
1987	635,000	653,536	16,068,775	16,862,878	3.77	3.88	1,147,000
1988 <sup>d</sup>	1,263,000	474,457	13,989,757	14,746,444	8.56	3.22	1,003,000
1989	1,199,000	1,347,547	28,735,306	30,479,811	3.93	4.42	2,073,000
1990	1,087,000	1,090,710	33,523,127	34,869,422	3.12	3.13	2,371,000
1991 <sup>d</sup>	1,573,000	1,215,658	26,233,469	27,782,399	5.66	4.38	1,889,000
1992 <sup>e</sup>	1,959,000	2,046,022	31,967,121	34,424,977	5.69	5.94	2,341,000
1993 <sup>e</sup>	2,375,000	2,366,573	40,842,635	43,816,379	5.42	5.40	2,980,000
1994 <sup>e</sup>	2,938,000	1,001,250	35,265,000	36,726,263	8.00	2.73	2,497,000

<sup>a</sup> Numbers of salmon do not include test fish harvests.

<sup>b</sup> These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. Calculations assume all sockeye salmon caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

<sup>c</sup> 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

<sup>d</sup> Sockeye allocations were not reached largely, if not totally, due to a chum cap.

<sup>e</sup> Bristol Bay harvest numbers are preliminary.

Table 26. Shumagin Islands June fishery, sockeye allocations vs. actual harvest and allocations if Bristol Bay runs were perfectly forecasted, 1975-94.

Year	Shumagin Islands Guideline Harvest Level (GHL)	Actual Shumagin Is. Harvest	Actual Bristol Bay Harvest	Combined Bristol Bay & S. Unimak-Shumagin Harvest	Shumagin GHL % of Combined Bristol Bay & S. Unimak-Shumagin Harvest <sup>a</sup>	Shumagin Is. Harvest % of Combined Bristol Bay-S. Unimak Harvest <sup>b</sup>	Shumagin Is. GHL if Actual Bristol Bay Harvest Was Forecasted <sup>b</sup>
1975	50,000	49,325	4,898,814	5,138,913	0.97	0.96	77,000
1976	75,000	72,016	5,619,292	5,924,519	1.27	1.22	89,000
1977	42,000	45,912	4,877,880	5,119,472	0.82	0.90	77,000
1978	94,000	67,876	9,928,139	10,414,974	0.90	0.65	156,000
1979	200,000	179,139	21,428,606	22,280,038	0.90	0.80	334,000
1980 <sup>c</sup>	555,000	475,127	23,761,746	26,968,021	2.06	1.76	405,000
1981	318,000	350,572	25,603,081	27,424,216	1.16	1.28	411,000
1982	408,000	450,548	15,104,391	17,223,092	2.37	2.62	258,000
1983	324,000	416,494	37,372,031	39,335,894	0.82	1.06	590,000
1984	245,000	256,838	24,710,306	26,098,509	0.94	0.98	391,000
1985	305,000	336,431	23,702,883	25,494,283	1.20	1.32	382,000
1986 <sup>d</sup>	200,000	156,027	15,776,056	16,247,453	1.23	0.96	244,000
1987	140,000	140,567	16,068,775	16,862,878	0.83	0.83	253,000
1988 <sup>d</sup>	279,000	282,230	13,989,757	14,746,444	1.89	1.91	221,000
1989	264,000	396,958	28,735,306	30,479,811	0.87	1.30	457,000
1990	240,000	255,585	33,523,127	34,869,422	0.69	0.73	523,000
1991 <sup>d</sup>	347,000	333,272	26,233,469	27,782,776	1.25	1.20	417,000
1992 <sup>e</sup>	432,000	411,834	31,967,121	34,424,977	1.25	1.20	516,000
1993 <sup>e</sup>	524,000	607,171	40,842,635	43,816,379	1.20	1.39	657,000
1994 <sup>e</sup>	648,000	460,013	35,265,000	36,726,263	1.76	1.25	551,000

<sup>a</sup> Numbers of salmon do not include test fish harvests.

<sup>b</sup> These values were calculated by adding the actual Bristol Bay sockeye harvest and the South Unimak-Shumagin Islands June sockeye harvest together and determining or applying the appropriate percentages. Calculations assume all sockeye caught at South Unimak and the Shumagin Islands are destined for Bristol Bay.

<sup>c</sup> 1980 Bristol Bay sockeye catch would have been much larger had it not been for a lengthy strike.

<sup>d</sup> Sockeye allocations were not reached largely, if not totally, due to a chum cap.

<sup>e</sup> Bristol Bay harvest numbers are preliminary.

Table 27. South Unimak and Shumagin Islands June fisheries, number of fishing days and hours by year, 1976-94.

Year	South Unimak		Shumagin Islands	
	Days	Hours	Days	Hours
1976	21	504	15	360
1977	11	264	21	504
1978	23	552	23	552
1979	33	792	28	672
1980	26	624	26	624
1981	24	576	20	480
1982	30	720	22	528
1983	11	264	10	228
1984	5	98	6	122
1985	9	144	9	142
1986	8	148	8	148
1987	12	226	5	76
1988	8	110	9	151
1989	5	84	4	72
1990	13	267	9	198
1991	8	158	5	88
1992	8	139	5	42.5
1993	10	176	8	140
1994	14	262	13	249
<hr/>				
Average 1984-93	8.6	155.0	6.8	118.0

Table 28. Shumagin Islands Section June test fish salmon harvest, 1994.

Date	Set	Number of Adult Salmon					Total	Sockeye To Chum Ratio
		Chinook	Sockeye	Coho	Pink	Chum		
June 4	Total	100	233	0	787	177	1,297	1.3 : 1.0
June 6	Total	92	1,963	0	4,303	1,294	7,652	1.5 : 1.0
June 7	Total	81	853	0	1,263	762	2,959	1.1 : 1.0
June 8	Total	22	1,281	0	2,000	1,268	4,571	1.0 : 1.0
June 9	Total	2	1,343	0	1,763	951	4,059	1.4 : 1.0
June 10	Total	19	1,877	0	3,330	776	6,002	2.4 : 1.0
June 11	Total	36	4,163	0	6,403	958	11,560	4.3 : 1.0
June 12	Total	27	642	0	1,866	298	2,800	2.2 : 1.0
June 13	Total	94	1,509	0	1,850	547	4,000	2.8 : 1.0
June 14	Total	85	2,680	1	3,789	3,649	10,204	0.7 : 1.0
June 15	Total	17	1,064	0	2,314	887	4,282	1.2 : 1.0
June 16	Total	12	314	0	655	601	1,582	0.5 : 1.0
June 17	Total	9	671	0	1,611	302	2,593	2.2 : 1.0

Note: Catch by set is not available.

June 4: One set each at Middle Set and Red Bluff, two sets at Popof Head.

June 6: One set each at Middle Set and Red Bluff, two sets at Popof Head.

June 7: One set each at Middle Set and Popof Head.

June 8: One set each at Middle Set, Red Bluff, and Popof Head.

June 9: One set each at Middle Set and Red Bluff, two sets at Popof Head. During the second set at Popof Head a hydraulic line broke, about 75% of the fish escaped.

June 10: One set each at Middle Set and Red Bluff, three sets at Popof Head. Some of the adult pink salmon weigh less than three pounds per fish.

June 11: One set each at Middle Set and Red Bluff, four sets at Popof Head. An estimated 1,100 pink salmon were released from the last set at Popof Head.

June 12: One set each at Middle Set and Red Bluff, two sets at Popof Head.

June 13: One set each at Middle Set, Red Bluff, and Kelly Rock, two sets at Popof Head. The Kelly Rock set was for 15 minutes, the catch for this set was expanded to produce an estimated 20 minute set.

June 14: One set each at Red Bluff and Popof Head, four sets at Middle Set.

June 15: One set each at Middle Set, Red Bluff, and Popof Head. A sea lion ate about 25 fish from the third set; about 200 pink salmon were released from the last set.

June 16: One set each at Red Bluff and Popof Head, two sets at Middle Set. During the second set at Middle Set an estimated 650 salmon were lost when the breastline became loose on the sock.

June 17: One set each at Middle Set, Red Bluff and Popof Head. During the last set at Popof Head a sea lion ate about a dozen salmon before getting out of the gear.



Table 29. South Unimak fishery June test fish salmon harvest, 1994.

Date	Set	Number of Adult Salmon					Total	Sockeye To Chum Ratio
		Chinook	Sockeye	Coho	Pink	Chum		
June 13	Total	14	965	0	3,584	501	5,064	1.9 : 1.0
June 14	Total	1	150	0	871	70	1,092	2.1 : 1.0
June 15	Total	14	562	0	2,752	122	3,450	4.6 : 1.0
June 16	Total	11	1,146	0	4,362	75	5,594	15.2 : 1.0

June 13: Two sets each at Cape Pankof and Cape Lazaref, one set at Cape Aksit.

June 14: One set at Cape Lazaref and three sets in the Cape Aksit-Lazaref area.

June 15: One set at Cape Lutke, three sets east of Cape Lutke and one set west of Cape Lutke.

June 16: Four sets at Cape Lutke.

Table 30. South Unimak June salmon harvest, all gear combined, season total by day, 1994.

Catch		Number of Salmon							
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	17	259	279	749	132,945	1	347,465	47,031	528,191
	18	128	135	341	71,227	2	130,745	24,283	226,598
	19	221	279	795	171,962	178	296,160	47,745	516,840
	20	132	133	197	52,662	6	72,693	17,957	143,515
	21	169	181	194	41,879	16	40,691	9,983	92,763
	22	163	176	459	96,271	89	126,362	26,376	249,557
	23	173	198	464	131,575	39	184,265	34,438	350,781
	24	151	169	254	66,345	100	78,208	20,153	165,060
	25	94	99	244	46,500	210	104,023	19,482	170,369
	26	68	69	247	40,825	44	76,577	19,058	136,751
	27	53	58	206	58,694	347	140,876	42,525	242,648
	28	60	65	203	66,975	218	110,255	53,844	231,495
	29	58	60	101	17,561	50	18,033	9,549	45,294
	30	26	26	14	5,829	61	5,388	1,985	13,277
Total		265	1,927	4,468	1,001,250	1,271	1,731,741	374,409	3,113,139

Table 31. South Unimak June salmon harvest by purse seine gear, season total by day, 1994.

Catch		Number of Salmon							
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	17	96	97	540	70,941	1	328,498	25,004	424,984
	18	38	38	205	36,845	0	125,491	11,436	173,977
	19	84	90	527	95,215	170	283,806	29,912	409,630
	20	31	31	141	24,841	3	69,974	9,032	103,991
	21	46	52	121	17,057	5	38,087	2,648	57,918
	22	37	37	319	45,823	73	119,330	9,329	174,874
	23	48	50	350	75,141	0	176,494	16,968	268,953
	24	39	40	146	30,681	19	71,355	8,734	110,935
	25	33	33	197	31,395	81	100,691	14,899	147,263
	26	35	35	231	32,582	38	75,639	17,236	125,726
	27	30	31	184	47,227	319	138,055	38,404	224,189
	28	27	29	166	51,844	154	106,833	48,288	207,285
	29	24	25	84	10,032	15	17,084	5,901	33,116
	30	12	12	10	3,623	10	4,918	1,495	10,056
Total		97	600	3,221	573,247	888	1,656,255	239,286	2,472,897

Table 32. South Unimak June salmon harvest by drift gillnet gear, season total by day, 1994.

Catch		Number of Salmon							
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	17	142	156	153	47,191	0	11,928	19,724	78,996
	18	76	83	112	27,489	2	3,105	12,421	43,129
	19	117	162	234	69,305	8	9,489	17,163	96,199
	20	92	93	51	25,991	0	2,628	8,672	37,342
	21	108	112	56	22,434	11	2,059	7,048	31,608
	22	113	120	111	47,121	15	6,016	16,507	69,770
	23	114	132	85	52,837	37	7,046	17,106	77,111
	24	101	114	98	32,454	72	5,306	11,068	48,998
	25	50	53	37	12,356	35	2,642	4,500	19,570
	26	24	24	12	5,988	2	821	1,758	8,581
	27	15	15	19	8,200	28	2,795	4,060	15,102
	28	27	29	34	12,915	64	3,047	5,461	21,521
	29	27	27	7	5,438	34	888	3,584	9,951
	30	11	11	2	1,384	51	460	458	2,355
Total		145	1,131	1,011	371,103	359	58,230	129,530	560,233

Table 33. South Unimak June salmon harvest by set gillnet gear, season total by day, 1994.

Catch		Number of Salmon							
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	17	21	26	56	14,813	0	7,039	2,303	24,211
	18	14	14	24	6,893	0	2,149	426	9,492
	19	20	27	34	7,442	0	2,865	670	11,011
	20	9	9	5	1,830	3	91	253	2,182
	21	15	17	17	2,388	0	545	287	3,237
	22	13	19	29	3,327	1	1,016	540	4,913
	23	11	16	29	3,597	2	725	364	4,717
	24	11	15	10	3,210	9	1,547	351	5,127
	25	11	13	10	2,749	4	690	83	3,536
	26	9	10	4	2,255	4	117	64	2,444
	27	8	12	3	3,267	0	26	61	3,357
	28	6	7	3	2,216	0	375	95	2,689
	29	7	8	10	2,091	1	61	64	2,227
	30	3	3	2	822	0	10	32	866
Total		23	196	236	56,900	24	17,256	5,593	80,009

Table 34. South Unimak and Shumagin Islands sockeye and chum salmon daily catches, all gear combined, 1994.

	<u>South Unimak</u>		<u>Shumagin Islands</u>		<u>Combined</u>	
	Sockeye	Chum	Sockeye	Chum	Sockeye	Chum
June 1-16	Closed to Commercial Salmon Fishing					
17	132,945	47,031			132,945	47,031
18	71,227	24,283	12,920	4,870	84,147	29,153
19	171,962	47,745	67,173	24,170	239,135	71,915
20	52,662	17,957	77,085	15,611	129,747	33,568
21	41,879	9,983	12,634	5,602	54,513	15,585
22	96,271	26,376	40,932	16,643	137,203	43,019
23	131,575	34,438	42,161	17,718	173,736	52,156
24	66,345	20,153	25,736	11,835	92,081	31,988
25	46,500	19,482	32,254	14,788	78,754	34,270
26	40,825	19,058	36,482	11,332	77,307	30,390
27	58,694	42,525	31,082	19,911	89,776	62,436
28	66,975	53,844	34,680	28,338	101,655	82,182
29	17,561	9,549	27,105	15,388	44,666	24,948
30	5,829	1,985	19,769	21,539	25,598	23,524
Total	1,001,250	374,409	460,013	207,756	1,461,263	582,165

Table 35. Shumagin Islands Section salmon harvest, all gear combined, season total by day, 1994.

Catch		Number of Salmon								
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total	
June	4 <sup>a</sup>	1	1	100	233	0	787	177	1,297	
	6 <sup>a</sup>	1	1	92	1,356	0	4,303	1,294	7,045	
	8 <sup>a</sup>	1	1	20	1,007	0	58	1,268	2,353	
	9 <sup>a</sup>	1	1	0	1,153	0	1,733	519	3,405	
	10 <sup>a</sup>	1	1	16	1,218	0	3,329	382	4,945	
	11 <sup>a</sup>	1	1	34	3,653	0	5,403	958	10,048	
	12 <sup>a</sup>	1	1	0	598	0	1,866	297	2,761	
	13 <sup>a</sup>	1	1	68	1,295	0	1,748	547	3,658	
	14 <sup>a</sup>	1	1	80	2,678	0	3,789	3,281	9,828	
	15 <sup>a</sup>	1	1	10	1,060	0	2,114	887	4,071	
	16 <sup>a</sup>	1	1	9	264	0	655	600	1,528	
	17 <sup>a</sup>	1	1	0	495	0	1,835	302	2,632	
	18	52	65	74	12,920	0	14,472	4,870	32,336	
	19	54	68	398	67,173	0	92,218	24,170	183,959	
	20	57	75	268	77,085	0	98,927	15,611	191,891	
	21	40	44	75	12,634	37	25,182	5,602	43,530	
	22	73	92	309	40,932	13	74,295	16,643	132,192	
	23	55	56	298	42,161	2	81,202	17,718	141,381	
	24	47	56	221	25,736	15	40,500	11,835	78,307	
	25	56	66	343	32,254	30	67,024	14,788	114,439	
	26	41	51	230	36,482	16	74,479	11,332	122,539	
	27	48	52	286	31,082	29	63,093	19,911	114,401	
	28	46	51	294	34,680	29	61,653	28,338	124,994	
	29	63	68	162	27,105	77	47,195	15,399	89,938	
	30	76	80	164	19,769	60	20,533	21,539	62,065	
	July	14 <sup>a</sup>	1	1	36	352	872	908	227	2,395
		15 <sup>a</sup>	1	1	15	66	126	156	236	599
		17 <sup>a</sup>	1	1	31	340	1,333	1,650	978	4,332
		18 <sup>a</sup>	1	1	5	35	108	284	487	919
		20	19	25	15	3,943	549	6,558	1,760	12,825
21		31	58	27	11,701	1,492	12,185	2,982	28,387	
22		36	55	11	11,649	1,698	12,509	2,876	28,743	
23		35	53	10	7,746	1,586	11,025	2,523	22,890	
24		77	90	187	16,824	18,859	90,833	26,835	153,538	
25 <sup>b</sup>		23	29	7	6,261	1,746	14,732	2,206	24,952	
26 <sup>b</sup>		12	16	7	5,800	863	6,350	1,293	14,313	
27 <sup>a</sup>		1	1	7	109	856	3,178	123	4,273	
29		48	55	105	12,675	10,468	124,739	24,625	172,612	
30		50	55	86	12,716	10,746	126,315	24,805	174,668	
Aug.	31	40	43	38	7,506	5,874	68,543	17,675	99,636	
	1	71	82	125	13,271	14,804	153,038	32,932	214,170	
	5	45	48	56	7,631	14,527	122,185	28,755	173,154	
	6	44	53	63	6,131	8,880	73,269	19,132	107,475	
	9	11	13	14	1,762	3,800	39,063	7,767	52,406	
	10	27	30	55	6,647	13,511	60,187	15,514	95,914	
	11	45	58	81	9,379	18,598	81,313	20,794	130,165	
	14	40	53	35	2,031	2,825	58,276	5,621	68,788	
	15	54	64	19	3,311	4,804	67,733	7,139	83,006	
	Sept	1	12	14	0	894	1,762	54	1,064	3,774
2		22	29	9	2,274	6,055	135	3,352	11,825	
5		10	10	0	254	601	0	136	991	
6		14	17	0	556	942	0	206	1,704	
7		10	13	4	635	1,067	0	166	1,872	
8		8	12	0	306	589	0	305	1,200	
9		4	6	0	336	329	0	23	688	
16		*	*	*	*	*	*	*	*	
20		*	*	*	*	*	*	*	*	
21		*	*	*	*	*	*	*	*	

-Continued-

Table 35. (page 2 of 2)

Catch			Number of Salmon						
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
	22	*	*	*	*	*	*	*	*
	27	*	*	*	*	*	*	*	*
	28	*	*	*	*	*	*	*	*
Total		129	1,829	4,599	628,939	152,129	1,923,611	470,864	3,180,142

<sup>a</sup> Test Fish harvest.

<sup>b</sup> One landing was from the test fish vessel.

\* Confidentiality requirements prohibit reporting harvest by day.



Table 36. Shumagin Islands Section salmon harvest by purse seine gear, season total by day, 1994.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	18	16	16	49	4,875	0	13,727	3,980	22,631
	19	21	26	376	61,320	0	91,431	23,468	176,595
	20	21	22	239	65,442	0	97,975	14,948	178,604
	21	21	21	61	8,828	33	24,513	4,630	38,065
	22	40	40	294	30,486	10	73,203	15,866	119,859
	23	35	35	285	34,511	0	80,651	16,995	132,442
	24	32	32	213	16,325	11	40,472	11,653	68,674
	25	35	36	337	24,533	25	66,582	14,405	105,882
	26	29	30	228	28,348	14	74,008	11,100	113,698
	27	36	36	274	23,766	27	62,557	19,564	106,188
	28	32	32	291	22,778	25	61,524	27,977	112,595
	29	38	38	157	13,034	74	46,664	14,815	74,744
	30	46	46	159	12,677	47	20,241	21,176	54,300
	July 24	43	43	178	10,139	18,271	83,069	25,715	137,372
	25	3	3	1	590	462	6,175	573	7,801
July	29	35	36	104	9,024	9,797	118,071	22,998	159,994
	30	33	34	85	7,187	10,009	118,511	23,580	159,372
	31	28	29	35	4,156	5,501	65,054	17,081	91,827
	Aug. 1	49	49	120	10,222	14,360	146,468	31,030	202,200
Aug.	5	29	29	55	5,334	14,034	116,326	27,467	163,216
	6	28	28	63	2,773	8,203	66,231	17,048	94,318
	9	9	10	13	1,577	3,672	38,368	7,087	50,717
	10	15	16	55	5,190	12,850	54,798	13,431	86,324
	11	29	31	81	6,896	17,750	75,780	18,970	119,477
	14	15	19	34	640	1,710	54,490	3,433	60,307
	15	23	23	19	1,654	3,705	64,192	5,527	75,097
	Sept 1	*	*	*	*	*	*	*	*
Sept	2	5	6	7	517	2,784	0	2,337	5,645
	7	*	*	*	*	*	*	*	*
	8	*	*	*	*	*	*	*	*
Total		75	769	3,817	412,912	123,728	1,761,081	417,089	2,718,627

\* Confidentiality requirements prohibit reporting harvest by day.

Table 37. Shumagin Islands Section salmon harvest by set gillnet gear, season total by day, 1994.

Catch		Number of Salmon								
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total	
June	18	36	49	25	8,045	0	745	890	9,705	
	19	33	42	22	5,853	0	787	702	7,364	
	20	36	53	29	11,643	0	952	663	13,287	
	21	19	23	14	3,806	4	669	972	5,465	
	22	33	52	15	10,446	3	1,092	777	12,333	
	23	20	21	13	7,650	2	551	723	8,939	
	24	15	24	8	9,411	4	28	182	9,633	
	25	21	30	6	7,721	5	442	383	8,557	
	26	12	21	2	8,134	2	471	232	8,841	
	27	12	16	12	7,316	2	536	347	8,213	
	28	14	19	3	11,902	4	129	361	12,399	
	29	25	30	5	14,071	3	531	584	15,194	
July	30	30	34	5	7,092	13	292	363	7,765	
	20	19	25	15	3,943	549	6,558	1,760	12,825	
	21	31	58	27	11,701	1,492	12,185	2,982	28,387	
	22	36	55	11	11,649	1,698	12,509	2,876	28,743	
	23	35	53	10	7,746	1,586	11,025	2,523	22,890	
	24	34	47	9	6,685	588	7,764	1,120	16,166	
	25	19	25	6	5,420	670	7,042	1,106	14,244	
	26	11	15	2	5,739	553	5,511	1,214	13,019	
	29	13	19	1	3,651	671	6,668	1,627	12,618	
	30	17	21	1	5,529	737	7,804	1,225	15,296	
	31	12	14	3	3,350	373	3,489	594	7,809	
	Aug.	1	22	33	5	3,049	444	6,570	1,902	11,970
5		16	19	1	2,297	493	5,859	1,288	9,938	
6		16	25	0	3,358	677	7,038	2,084	13,157	
9		*	*	*	*	*	*	*	*	
10		12	14	0	1,457	661	5,389	2,083	9,590	
11		16	27	0	2,483	848	5,533	1,824	10,688	
14		25	34	1	1,391	1,115	3,786	2,188	8,481	
15		31	41	0	1,657	1,099	3,541	1,612	7,909	
1		11	13	0	892	1,583	54	1,064	3,593	
2		17	23	2	1,757	3,271	135	1,015	6,180	
5		10	10	0	254	601	0	136	991	
6		14	17	0	556	942	0	206	1,704	
Sept	7	9	12	0	547	992	0	166	1,705	
	8	7	11	0	306	489	0	70	865	
	9	4	6	0	336	329	0	23	688	
	16	*	*	*	*	*	*	*	*	
	20	*	*	*	*	*	*	*	*	
	21	*	*	*	*	*	*	*	*	
	22	*	*	*	*	*	*	*	*	
	27	*	*	*	*	*	*	*	*	
	28	*	*	*	*	*	*	*	*	
	Total		53	1,041	254	199,803	24,182	126,380	40,606	391,225

\* Confidentiality requirements prohibit reporting harvest by day.

Table 38. Shumagin Islands Section salmon test fish harvest, season total by day, 1994.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	4	1	1	100	233	0	787	177	1,297
	6	1	1	92	1,356	0	4,303	1,294	7,045
	8	1	1	20	1,007	0	58	1,268	2,353
	9	1	1	0	1,153	0	1,733	519	3,405
	10	1	1	16	1,218	0	3,329	382	4,945
	11	1	1	34	3,653	0	5,403	958	10,048
	12	1	1	0	598	0	1,866	297	2,761
	13	1	1	68	1,295	0	1,748	547	3,658
	14	1	1	80	2,678	0	3,789	3,281	9,828
	15	1	1	10	1,060	0	2,114	887	4,071
	16	1	1	9	264	0	655	600	1,528
	17	1	1	0	495	0	1,835	302	2,632
July	14	1	1	36	352	872	908	227	2,395
	15	1	1	15	66	126	156	236	599
	17	1	1	31	340	1,333	1,650	978	4,332
	18	1	1	5	35	108	284	487	919
	25	1	1	0	251	614	1,515	527	2,907
	26	1	1	5	61	310	839	79	1,294
	27	1	1	7	109	856	3,178	123	4,273
Total		1	19	528	16,224	4,219	36,150	13,169	70,290

Table 39. South Unimak and Shumagin Islands June fisheries, composition of sockeye and chum salmon harvests in percent by gear type, 1970-94.

Year	South Unimak						Shumagin Islands			
	Sockeye			Chum			Sockeye		Chum	
	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Drift Gillnet	Set Gillnet	Purse Seine	Set Gillnet	Purse Seine	Set Gillnet
1970	47.5	52.0	0.5	31.8	68.0	0.2	92.0	8.0	94.1	5.9
1971	25.3	74.7	0.0	19.5	80.5	0.0	89.4	10.6	96.8	3.2
1972	12.5	87.5	0.0	9.3	90.7	0.0	96.9	3.1	98.5	1.5
1973	9.6	90.0	0.4	6.6	93.3	0.1	87.3	12.7	94.3	5.7
1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	22.9	77.0	0.1	28.9	71.1	0.0	97.5	2.5	97.4	2.6
1976	17.3	81.6	1.1	14.2	85.7	0.1	95.5	4.5	97.1	2.9
1977	15.2	83.9	0.9	10.5	89.2	0.3	94.9	5.1	99.0	1.0
1978	18.4	81.0	0.6	9.9	90.0	0.1	97.0	3.0	96.3	3.7
1979	70.6	29.2	0.2	30.1	69.8	0.2	92.4	7.6	95.7	4.3
1980	76.4	23.1	0.5	79.2	20.7	0.1	96.4	3.6	97.3	2.7
1981	50.7	47.1	2.2	63.5	36.2	0.3	94.8	5.2	98.7	1.3
1982	54.1	44.7	1.2	46.1	53.7	0.2	97.3	2.7	98.9	1.1
1983	60.4	38.7	0.9	65.8	34.0	0.1	97.4	2.6	99.6	0.4
1984	63.3	35.7	1.0	60.2	39.7	0.1	94.7	5.3	99.3	0.7
1985	61.3	38.0	0.7	38.7	61.1	0.2	94.8	5.2	96.0	4.0
1986	46.7	51.7	1.6	43.8	55.9	0.3	85.0	15.0	95.0	5.0
1987	36.5	61.4	2.2	38.3	61.1	0.7	76.0	24.0	93.4	6.6
1988	29.8	67.0	3.2	33.5	65.8	0.6	72.1	27.9	82.6	17.4
1989	59.4	38.0	2.5	52.1	47.3	0.7	90.9	9.1	93.6	6.4
1990 <sup>a</sup>	56.8	41.5	1.7	57.9	41.7	0.4	85.3	14.7	93.1	6.9
1991 <sup>a</sup>	53.5	44.4	2.1	61.2	38.2	0.6	80.6	19.4	93.3	6.7
1992 <sup>a</sup>	58.3	37.4	4.3	63.2	35.6	1.2	90.9	9.1	96.3	3.7
1993 <sup>a</sup>	59.1	38.1	2.8	66.2	31.6	2.2	87.5	12.5	97.9	2.1
1994 <sup>a</sup>	57.3	37.1	5.7	63.9	34.6	1.5	75.4	24.6	96.5	3.5
<hr/>										
1974-93 Average	57.2	41.1	1.8	51.5	48.0	0.5	90.5	9.5	96.4	3.6
1984-93 Average	56.2	41.4	2.4	51.8	47.5	0.7	86.8	13.2	95.0	5.0

<sup>a</sup> Gear depth limitations in effect.

Table 40. South Unimak and Shumagin Islands June fisheries sockeye salmon harvest by gear, 1970-94.<sup>a</sup>

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	845,597	51.2	785,174	47.6	19,363	1.2	1,650,134
1971	142,251	30.8	315,685	68.3	4,165	0.9	462,101
1972	125,242	25.0	373,618	74.5	2,337	0.5	501,197
1973	41,411	16.9	200,258	81.6	3,881	1.6	245,550
1974	0	0.0	0	0.0	0	0.0	0
1975	91,768	38.2	146,937	61.2	1,394	0.6	240,099
1976	109,089	35.7	190,256	62.3	5,882	1.9	305,227
1977	73,277	30.3	164,165	68.0	4,150	1.7	241,592
1978	143,047	29.4	339,295	69.7	4,493	0.9	486,835
1979	639,986	75.2	196,482	23.1	14,964	1.8	851,432
1980	2,544,107	79.3	631,975	19.7	30,193	0.9	3,206,275
1981	1,078,047	59.2	693,166	38.1	49,922	2.7	1,821,135
1982	1,341,224	63.3	745,616	35.2	31,861	1.5	2,118,701
1983	1,339,868	68.3	599,152	30.5	23,951	1.2	1,962,971
1984	959,821	69.1	403,582	29.1	24,800	1.8	1,388,203
1985	1,210,653	67.6	553,558	30.9	27,189	1.5	1,791,400
1986	279,960	59.4	162,950	34.6	28,487	6.0	471,397
1987	345,028	43.4	401,215	50.5	47,860	6.0	794,103
1988	344,801	45.6	317,818	42.0	94,068	12.4	756,687
1989	1,161,809	66.6	512,522	29.4	70,174	4.0	1,744,505
1990 <sup>b</sup>	837,635	62.2	452,484	33.6	56,176	4.2	1,346,295
1991 <sup>b</sup>	919,000	59.3	539,490	34.8	90,440	5.8	1,548,930
1992 <sup>b</sup>	1,566,460	63.7	765,752	31.2	125,644	5.1	2,457,856
1993 <sup>b</sup>	1,928,739	64.9	902,788	30.4	142,217	4.8	2,973,744
1994 <sup>b</sup>	920,170	63.0	371,103	25.4	169,990	11.6	1,461,263
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1974-93 Average	845,716	63.8	435,960	32.9	43,693	3.3	1,325,369
1984-93 Average	955,391	62.6	501,216	32.8	70,706	4.6	1,527,312

<sup>a</sup> Harvest numbers do not include test fish catches.

<sup>b</sup> Gear depth limitations in effect.

Table 41. South Unimak and Shumagin Islands June fisheries chum salmon harvest by gear, 1970-94<sup>a</sup>.

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	168,520	38.1	269,844	61.1	3,548	0.8	441,912
1971	179,588	35.3	326,267	64.1	3,342	0.7	509,197
1972	144,604	27.9	372,635	71.8	1,590	0.3	518,829
1973	33,351	16.6	165,753	82.6	1,526	0.8	200,630
1974	0	0.0	0	0.0	0	0.0	0
1975	53,447	53.0	46,447	46.1	928	0.9	100,822
1976	119,569	29.1	288,300	70.3	2,478	0.6	410,347
1977	31,530	27.2	84,052	72.4	532	0.5	116,114
1978	28,003	23.0	93,115	76.4	790	0.6	121,908
1979	58,203	55.9	44,051	42.3	1,852	1.8	104,106
1980	412,350	81.0	94,900	18.6	1,615	0.3	508,865
1981	377,168	66.9	184,586	32.7	2,228	0.4	563,982
1982	590,179	53.9	501,282	45.8	3,583	0.3	1,095,044
1983	574,300	73.1	209,600	26.7	1,546	0.2	785,446
1984	245,605	72.9	90,498	26.8	1,017	0.3	337,120
1985	230,432	53.1	198,361	45.7	5,036	1.2	433,829
1986	204,746	58.2	141,299	40.2	5,724	1.6	351,769
1987	190,064	42.9	247,934	55.9	5,143	1.2	443,141
1988	207,049	39.3	305,967	58.1	13,695	2.6	526,711
1989	256,808	56.4	192,650	42.3	5,705	1.3	455,163
1990	322,701	62.2	190,002	36.6	6,036	1.2	518,739
1991	505,790	65.5	256,132	33.1	10,783	1.4	772,705
1992	303,226	71.1	115,401	27.1	7,576	1.8	426,203
1993	399,958	75.1	120,820	22.7	11,469	2.2	532,247
1994	439,863	75.6	129,530	22.2	12,772	2.2	582,165
<hr/>							
1974-93 Average							
	235,559	58.4	164,229	40.7	3,813	0.9	403,601
<hr/>							
1984-93 Average							
	286,638	59.7	185,906	38.7	7,218	1.5	479,763

<sup>a</sup> Harvest numbers do not include test fish catches.

Table 42. South Unimak and Shumagin Islands June fisheries, sockeye to chum salmon ratios, all gear combined, 1960-94.<sup>a</sup>

Year	South Unimak			Shumagin Islands			Total		
	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio	Sockeye	Chum	Ratio
1960	137,000	84,000	1.63	19,000	11,000	1.73	156,000	95,000	1.64
1961	199,000	157,000	1.27	55,000	36,000	1.53	254,000	193,000	1.32
1962	272,000	209,000	1.30	54,000	61,000	0.89	326,000	270,000	1.21
1963	116,000	36,000	3.22	33,000	36,000	0.92	149,000	72,000	2.07
1964	159,000	161,000	0.99	85,000	67,000	1.27	244,000	228,000	1.07
1965	568,000	121,000	4.69	207,000	45,000	4.60	775,000	166,000	4.67
1966	528,000	215,000	2.46	54,000	17,000	3.18	582,000	232,000	2.51
1967	186,000	73,000	2.55	69,000	51,000	1.35	255,000	124,000	2.06
1968	342,000	115,000	2.97	233,000	51,000	4.57	575,000	166,000	3.46
1969	781,000	254,000	3.07	76,000	13,000	5.85	857,000	267,000	3.21
1970	1,510,399	397,003	3.80	139,543	44,896	3.11	1,649,942	441,899	3.73
1971	422,760	405,311	1.04	39,341	103,886	0.38	462,101	509,197	0.91
1972	426,799	411,019	1.04	74,398	107,810	0.69	501,197	518,829	0.97
1973	222,586	177,720	1.25	22,964	22,910	1.00	245,550	200,630	1.22
1974	0	0		0	0		0	0	
1975	190,774	65,279	2.92	49,306	35,542	1.39	240,080	100,821	2.38
1976	233,211	336,238	0.69	72,016	74,109	0.97	305,227	410,347	0.74
1977	195,680	94,215	2.08	45,912	21,899	2.10	241,592	116,114	2.08
1978	418,959	103,429	4.05	67,876	18,479	3.67	486,835	121,908	3.99
1979	672,293	63,153	10.65	179,139	40,953	4.37	851,432	104,106	8.18
1980	2,731,148	458,499	5.96	475,127	50,366	9.43	3,206,275	508,865	6.30
1981	1,470,563	509,911	2.88	350,572	54,071	6.48	1,821,135	563,982	3.23
1982	1,668,153	933,728	1.79	439,230	164,975	2.66	2,107,383	1,098,703	1.92
1983	1,547,369	616,390	2.51	416,494	169,277	2.46	1,963,863	785,667	2.50
1984	1,131,365	227,913	4.96	256,838	109,207	2.35	1,388,203	337,120	4.12
1985	1,454,969	324,825	4.48	336,431	109,004	3.09	1,791,400	433,829	4.13
1986	315,370	252,721	1.25	156,027	99,048	1.58	471,397	351,769	1.34
1987	653,536	406,077	1.61	140,567	37,064	3.79	794,103	443,141	1.79
1988	474,457	464,765	1.02	282,230	61,946	4.56	756,687	526,711	1.44
1989	1,347,547	407,635	3.31	396,958	47,528	8.35	1,744,505	455,163	3.83
1990	1,090,710	455,238	2.40	255,585	63,501	4.02	1,346,295	518,739	2.60
1991	1,216,035	670,409	1.81	333,272	102,602	3.25	1,549,307	773,011	2.00
1992	2,046,022	323,891	6.32	411,834	102,312	4.03	2,457,856	426,203	5.77
1993	2,366,573	381,941	6.20	607,171	150,306	4.04	2,973,744	532,247	5.59
1994	1,001,250	374,409	2.67	460,013	207,756	2.21	1,461,263	582,165	2.51
1974-93 Average									
	1,061,237	354,813	2.99	263,629	75,609	3.49	1,324,866	430,422	3.08
1984-93 Average									
	1,209,658	391,542	3.09	317,691	88,252	3.60	1,527,350	479,793	3.18

<sup>a</sup> Harvest numbers do not include test fish catches.

Table 43. South Unimak and Shumagin Islands June fisheries, sockeye per chum salmon ratio by gear type, 1970-94.

Year	South Unimak				Shumagin Islands		
	Purse Seine	Drift Gillnet	Set Gillnet	Total	Purse Seine	Set Gillnet	Total
1970	5.7	2.9	9.4	3.8	3.0	4.2	3.1
1971	1.4	1.0	0.0	1.0	0.3	0.0	0.4
1972	1.4	1.0	0.4	1.0	0.7	1.5	0.7
1973	1.8	1.2	4.4	1.3	0.9	2.2	1.0
1974	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	2.3	3.2	0.0	2.9	1.4	0.0	1.4
1976	0.8	0.7	8.3	0.7	1.0	1.5	1.0
1977	3.0	2.0	5.8	2.1	2.0	10.6	2.1
1978	7.6	3.6	23.5	4.1	3.7	3.0	3.7
1979	25.0	4.5	15.1	10.6	4.2	7.7	4.4
1980	5.7	6.7	55.0	6.0	9.4	12.4	9.4
1981	2.3	3.8	21.0	2.9	6.2	25.4	6.5
1982	2.1	1.5	11.1	1.8	2.7	6.7	2.8
1983	2.3	2.9	14.9	2.5	2.4	16.3	2.5
1984	5.2	4.5	36.4	5.0	2.2	19.2	2.4
1985	7.1	2.8	14.8	4.5	3.0	4.0	3.1
1986	1.3	1.2	6.7	1.2	1.4	4.7	1.6
1987	1.5	1.6	5.2	1.6	3.1	13.8	3.8
1988	0.9	1.0	5.2	1.0	4.0	7.3	4.6
1989	3.8	2.7	12.7	3.3	8.1	11.9	8.4
1990 <sup>a</sup>	2.4	2.4	11.3	2.4	3.7	8.6	4.0
1991 <sup>a</sup>	1.6	2.1	6.5	1.8	2.8	9.5	3.2
1992 <sup>a</sup>	5.8	6.6	23.3	6.3	3.8	9.9	4.0
1993 <sup>a</sup>	5.5	7.5	8.0	6.2	3.6	24.1	4.0
1994 <sup>a</sup>	2.1	2.9	10.2	2.7	1.7	15.7	2.2
1974-93 Average							
	3.3	2.6	11.4	3.0	3.3	9.1	3.5
1984-93 Average							
	3.4	2.7	10.4	3.1	3.3	9.4	3.6

<sup>a</sup>Gear depth limitations in effect.



Table 44. Salmon gear in the South Unimak and Shumagin Islands Section waters during June, 1970-94.<sup>a</sup>

Year	Gear			Total
	Purse Seine	Drift Gillnet	Set Gillnet	
1970	39	156	16	202
1971	37	122	8	166
1972	32	150	7	185
1973	16	121	7	142
1974	0	0	0	0
1975	20	81	8	108
1976	25	108	16	147
1977	17	101	13	131
1978	23	120	16	159
1979	40	132	26	196
1980	68	129	29	225
1981	83	135	25	243
1982	90	138	23	251
1983	100	146	35	282
1984	101	147	32	280
1985	107	150	48	305
1986	99	156	43	298
1987	86	144	60	290
1988	90	148	63	301
1989	99	145	61	305
1990	109	153	59	322
1991	112	157	65	335
1992	112	141	68	322
1993	116	140	72	328
1994	114	145	65	324
<hr/>				
1974-93 Average	74.9	128.6	38.1	241.4
1984-93 Average	103.1	148.1	57.1	308.6

<sup>a</sup> During the peak of the South Peninsula June fishery, (June 12-26), approximately 50 purse seine permit holders fish the Shumagin Islands Section fishery. During the occasions when the South Unimak fishery is open and the Shumagin Islands fishery is closed, nearly the entire purse seine fleet fishes at South Unimak. Drift gillnet effort declines after June 20 as the fleet begins moving to the Port Moller fishery.

Table 45. South Peninsula post June, July 1-December 31, salmon harvest, all gear combined, 1970-94.

			Number Of Salmon					
Year	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
<i>Includes Test Fish</i>								
1970	184	1,612	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	242	2,327	1,305	225,162	16,906	1,425,752	856,019	2,525,144
1972	171	940	673	45,174	7,999	60,270	212,505	326,621
1973	155	710	159	58,207	6,571	38,500	91,810	195,247
1974	132	744	557	171,700	9,362	100,179	71,430	353,228
1975	46	90	0	3,449	66	55,395	29,928	88,838
1976	127	1,181	14	20,707	213	2,342,600	121,282	2,484,816
1977	105	1,315	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	125	2,187	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	174	2,699	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	154	2,948	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	168	2,940	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	185	3,361	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	201	3,210	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	217	4,251	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	213	2,970	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	202	3,444	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	233	2,926	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	243	4,701	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	275	4,191	4,281	911,092	443,843	7,093,423	538,916	8,991,555
1990	262	3,671	6,187	1,040,485	307,217	2,350,559	719,071	4,423,519
1991	235	3,906	3,178	581,879	317,116	9,996,612	809,497	11,708,282
1992	234	4,330	4,133	872,907	418,217	9,126,950	884,505	11,306,712
1993	222	3,689	4,545	641,173	218,912	9,846,906	514,406	11,225,942
1994	214	3,745	1,825	542,322	254,298	6,657,000	1,596,247	9,051,692
<i>Average 1974-93</i>								
	188	2,938	3,288	436,927	219,920	4,987,928	734,151	6,382,213
<i>Average 1984-93</i>								
	234	3,808	4,249	673,517	315,213	6,520,276	939,723	8,452,979
<i>Does Not Include Test Fish</i>								
1970	184	1,612	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	242	2,325	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	171	940	673	45,174	7,999	60,270	212,505	326,621
1973	155	710	159	58,207	6,571	38,500	91,810	195,247
1974	132	744	557	171,700	9,362	100,179	71,430	353,228
1975	46	90	0	3,449	66	55,395	29,928	88,838

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Table 45. (page 2 of 2)

Year	Permits	Landings	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1976	127	1,181	14	20,707	213	2,342,600	121,282	2,484,816
1977	105	1,315	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	125	2,187	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	174	2,699	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	154	2,948	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	168	2,940	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356
1982	185	3,361	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	201	3,210	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	217	4,251	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	213	2,970	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	202	3,444	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	233	2,926	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	243	4,701	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	274	4,185	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	261	3,663	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	234	3,889	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	233	4,317	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	221	3,683	4,301	639,412	214,020	9,843,962	513,579	11,215,274
1994	213	3,738	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
Average 1974-93								
	187	2,935	3,248	436,023	219,108	4,985,945	733,114	6,377,438
Average 1984-93								
	233	3,803	4,171	671,708	313,590	6,516,311	937,649	8,443,428

Table 46. South Peninsula post June, July 1-December 31, salmon harvest by purse seine gear, 1970-94.

Year	Permits	Landings	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	103	1,265	750	28,397	31,789	1,551,475	497,990	2,110,401
1971	111	1,622	1,219	82,826	16,346	1,414,696	715,354	2,230,441
1972	83	571	647	18,957	7,795	55,667	144,992	228,058
1973	53	332	155	15,796	6,286	34,463	73,249	129,949
1974	46	257	509	63,511	8,091	88,832	51,538	212,481
1975	39	76	0	1,642	37	54,435	29,336	85,450
1976	85	1,089	5	9,630	53	2,337,109	118,482	2,465,279
1977	82	1,117	18	32,051	1,034	1,427,176	114,058	1,574,337
1978	99	1,916	204	57,448	57,842	5,470,855	403,352	5,989,701
1979	120	2,144	981	193,629	346,021	6,306,410	346,006	7,193,047
1980	110	2,178	1,495	260,433	249,602	6,236,027	758,344	7,505,901
1981	113	2,004	4,280	171,658	155,653	4,461,879	1,104,569	5,898,039
1982	105	2,037	2,294	92,784	219,462	4,852,553	1,060,812	6,227,905
1983	114	1,852	12,552	258,763	109,822	2,688,187	829,281	3,898,605
1984	116	2,307	4,338	240,959	247,342	10,324,380	1,186,753	12,003,772
1985	119	1,646	625	178,953	128,931	4,096,285	828,645	5,233,439
1986	114	1,820	3,395	412,251	203,505	3,602,769	1,300,638	5,522,558
1987	111	1,289	3,700	238,678	169,763	1,135,252	811,464	2,358,857
1988	111	2,175	6,586	423,852	389,723	6,427,823	1,228,987	8,476,971
1989	117	1,644	3,584	470,465	305,558	6,641,815	417,978	7,839,400
1990	117	1,459	5,605	524,630	224,354	2,256,837	600,040	3,611,466
1991	118	1,705	2,085	232,338	199,104	9,614,533	635,031	10,683,091
1992	115	1,861	3,724	443,201	294,100	8,616,933	776,939	10,134,897
1993	101	1,594	3,666	288,648	148,565	9,494,663	448,204	10,383,746
1994	114	1,519	1,321	147,337	161,903	6,317,708	1,458,898	8,087,167
Average 1974-93								
	103	1,609	2,982	229,776	172,928	4,806,738	652,523	5,864,947
Average 1984-93								
	114	1,750	3,731	345,398	231,095	6,221,129	823,468	7,624,820

Table 47. South Peninsula post June, July 1-December 31, salmon harvest by drift gillnet gear, 1970-94.

Year	Permits	Landings	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	56	152	19	15,364	56	62,666	31,764	109,869
1971	107	475	47	105,274	356	1,983	124,539	232,199
1972	66	230	8	15,580	59	129	55,615	71,391
1973	77	168	1	16,246	43	545	10,464	27,299
1974	46	217	22	52,481	1,110	1,626	13,998	69,237
1975	0	0	0	0	0	0	0	0
1976	22	25	1	2,649	0	65	1,390	4,105
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	16	27	2	1,097	33	16,635	2,834	20,601
1980	2	2	0	398	0	12	8	418
1981	7	8	0	1,388	10	7,200	4,821	13,419
1982	29	159	90	13,472	19,202	50,748	17,406	100,918
1983	30	128	78	19,005	3,658	5,586	19,913	48,240
1984	37	315	161	26,698	37,805	78,575	30,941	174,180
1985	33	185	24	18,441	18,033	21,803	18,521	76,822
1986	29	243	24	30,261	18,901	27,772	22,294	99,252
1987	54	285	64	39,360	30,445	3,025	43,115	116,009
1988	63	582	142	44,657	75,445	145,106	68,066	333,416
1989	81	590	295	86,343	88,376	85,946	44,605	305,565
1990	64	533	122	132,907	42,659	32,089	46,700	254,477
1991	43	237	62	21,721	51,215	26,740	25,465	125,203
1992	42	312	47	44,935	58,621	91,106	29,252	223,961
1993	41	215	111	23,421	26,364	12,037	17,871	79,804
1994	24	160	25	18,134	24,980	53,701	26,262	123,102
Average 1974-93								
	32	203	62	27,962	23,594	30,304	20,360	102,281
Average 1984-93								
	49	350	105	46,874	44,786	52,420	34,683	178,869

Table 48. South Peninsula post June, July 1-December 31, salmon harvest by set gillnet gear, 1970-94.

Year	Permits	Landings	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	25	195	8	19,808	674	16,263	20,944	57,697
1971	24	228	39	37,062	204	6,849	16,023	60,177
1972	22	139	18	10,637	145	4,474	11,898	27,172
1973	25	210	3	26,165	242	3,492	8,097	37,999
1974	40	270	26	55,708	161	9,721	5,894	71,510
1975	7	14	0	1,807	29	960	592	3,388
1976	20	67	8	8,428	160	5,426	1,410	15,432
1977	23	198	17	28,618	1,074	16,069	12,704	58,482
1978	26	271	18	17,391	2,929	29,322	20,180	69,840
1979	38	528	66	88,626	10,508	86,539	29,872	215,611
1980	42	768	74	110,807	23,726	99,120	85,636	319,363
1981	48	928	135	143,899	6,236	112,564	92,064	354,898
1982	51	1,165	182	70,904	16,134	112,764	93,290	293,274
1983	57	1,230	203	245,145	13,677	77,971	68,004	405,000
1984	64	1,629	414	257,618	25,763	265,934	94,653	644,382
1985	61	1,139	75	97,388	23,082	205,797	65,414	391,756
1986	59	1,381	167	245,013	13,446	108,882	71,400	438,908
1987	68	1,352	171	185,052	24,532	53,235	75,203	338,193
1988	69	1,944	283	248,455	40,110	291,671	84,743	665,262
1989	76	1,951	346	352,585	47,463	362,134	75,594	838,122
1990	80	1,671	437	381,728	38,496	57,117	69,200	546,978
1991	73	1,947	660	316,629	62,891	336,150	137,394	853,724
1992	76	2,144	269	382,551	62,212	409,440	73,875	928,347
1993	79	1,874	524	327,343	39,091	337,262	47,504	751,724
1994	75	2,059	380	375,637	63,196	277,061	108,430	824,704
Average 1974-93								
	53	1,124	204	178,285	22,586	148,904	60,231	410,210
Average 1984-93								
	71	1,703	335	279,436	37,709	242,762	79,498	639,740

Table 49. South Peninsula post June, July 1-December 31, salmon harvest, all gear combined, 1909-94<sup>a</sup>.

Year	Number Of Salmon					Total
	Chinook	Sockeye	Coho <sup>b</sup>	Pink	Chum	
1909			7,200			
1910			5,500			
1911			12,400			
1912			27,000			
1913			0			
1914			0			
1915			16,200			
1916			34,100			
1917			4,600			
1918			16,300			
1919			56,100			
1920			47,700			
1921			1,500			
1922			2,200			
1923			75,300			
1924			127,300			
1925			127,100			
1926			193,800			
1927			125,300			
1928			96,600			
1929			84,500			
1930			161,100			
1931			128,700			
1932			112,300			
1933			190,000			
1934			247,100			
1935			117,200			
1936			284,600			
1937			73,900			
1938			220,700			
1939			98,900			
1940			184,200			
1941			183,000			
1942			123,000			
1943			90,600			
1944			238,700			

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Table 49. (page 2 of 3)

Year	Number Of Salmon					Total
	Chinook	Sockeye	Coho <sup>b</sup>	Pink	Chum	
1945			116,100			
1946			151,400			
1947			55,800			
1948			39,200			
1949			19,500			
1950			70,700			
1951			55,700			
1952			39,200			
1953			47,900			
1954			49,400			
1955			44,800			
1956			61,900			
1957			49,900			
1958			70,600			
1959			8,500			
1960			1,800			
1961			10,400			
1962			12,500	1,899,400	564,800	
1963			16,500	2,324,700	358,300	
1964			13,600	2,705,300	532,100	
1965			34,200	2,806,100	372,400	
1966			6,300	288,800	257,400	
1967			2,900	57,300	123,200	
1968			31,100	1,141,100	169,000	
1969			10,900	1,128,100	138,400	
1970	777	63,569	32,519	1,630,404	550,698	2,277,967
1971	1,305	225,162	16,906	1,423,528	855,916	2,522,817
1972	673	45,174	7,999	60,270	212,505	326,621
1973	159	58,207	6,571	38,500	91,810	195,247
1974	557	171,700	9,362	100,179	71,430	353,228
1975	0	3,449	67	55,395	29,928	88,838
1976	14	20,707	213	2,342,600	121,282	2,484,816
1977	35	60,669	2,108	1,443,245	126,762	1,632,819
1978	222	74,839	60,771	5,500,177	423,532	6,059,541
1979	1,049	283,352	356,562	6,409,584	378,712	7,429,259
1980	1,569	371,638	273,328	6,335,159	843,988	7,825,682
1981	4,415	316,945	161,899	4,581,643	1,201,454	6,266,356

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Table 49. (page 3 of 3)

Year	Number Of Salmon					Total
	Chinook	Sockeye	Coho <sup>b</sup>	Pink	Chum	
1982	2,566	177,160	254,798	5,016,065	1,171,508	6,622,097
1983	12,833	522,913	127,157	2,771,744	917,198	4,351,845
1984	4,913	525,275	310,910	10,668,889	1,312,347	12,822,334
1985	724	294,782	170,046	4,323,885	912,580	5,702,017
1986	3,586	687,525	235,852	3,739,423	1,394,332	6,060,718
1987	3,935	463,090	224,740	1,191,512	929,782	2,813,059
1988	7,011	716,964	505,278	6,864,600	1,381,796	9,475,649
1989	4,225	909,393	441,397	7,089,895	538,177	8,983,087
1990	6,164	1,039,265	305,509	2,346,043	715,940	4,412,921
1991	2,807	570,688	313,210	9,977,423	797,890	11,662,018
1992	4,040	870,687	414,933	9,117,479	880,066	11,287,205
1993	4,301	639,412	214,020	9,843,962	513,579	11,215,274
1994	1,726	541,108	250,079	6,648,470	1,593,590	9,034,973
Average 1974-93						
	3,248	436,023	219,108	4,985,945	733,114	6,377,438
Average 1984-93						
	4,171	671,708	313,590	6,516,311	937,649	8,443,428

<sup>a</sup> Number of salmon does not include test fish catches.

<sup>b</sup> Assumes all South Peninsula coho are caught during post June fisheries and that the Aleutian Islands Management Area contribution is negligible.

Table 50. Shumagin Islands Section July salmon test fish harvest results by day, 1994.

								Immature Salmon						
		Number of Adult Salmon						Number					Percent	
Date	Set	Chinook	Sockeye	Coho	Pink	Chum	Total	Chinook	Sockeye	Coho	Chum	Total	Sockeye	Chum
July 14	Total	36	357	874	908	227	2,402	22	31	0	1	54	57.4	1.8
	Average/Set	7.2	71.4	174.8	181.6	45.4	480.4	4.4	6.2	0.0	0.2	10.8	57.4	1.8
July 15	Total	15	66	126	156	236	599	5	79	0	2	86	91.9	2.3
	Average/Set	7.5	33.0	63.0	78.0	118.0	299.5	2.5	39.5	0.0	1.0	43.0	91.9	2.3
July 17	Total	31	292	1,333	1,650	978	4,284	32	89	0	3	124	71.8	2.4
	Average/Set	5.2	48.7	222.2	275.0	163.0	714.0	5.3	14.8	0.0	0.5	20.7	71.8	2.4
July 18	Total	5	35	108	284	487	919	16	568	0	2	586	96.9	0.3
	Average/Set	1.3	8.8	27.0	71.0	121.8	229.8	4.0	142.0	0.0	0.5	146.5	96.9	0.3
July 25	Total	0	251	614	1,515	527	2,907	34	2,600	1	3	2,638	98.6	0.1
	Average/Set	0.0	50.2	122.8	303	105.4	581.4	6.8	520.0	0.2	0.6	527.6	98.6	0.1
July 26	Total	5	61	310	839	79	1,294	11	220	0	0	231	95.2	4.8
	Average/Set	1.0	12.2	62.0	167.8	15.8	258.8	2.2	44.0	0.0	0.0	46.2	95.2	4.8
July 27	Total	7	109	856	3,178	123	4,273	15	98	1	0	114	86.0	0.0
	Average/Set	1.8	27.3	214.0	794.5	30.8	1,068.3	3.8	24.5	0.3	0.0	28.5	86.0	0.0

Note: Harvest numbers may differ from the number sold, some were given away for subsistence purposes.

July 14: Five sets were made, one each at Kelly Rock, Middle Set, and Red Bluff and two sets at Popof Head.

July 15: Two sets were made due to poor weather, one each at Popof Head and Middle Set.

July 17: Six sets were made, one each at Popof Head and Middle Set; four at Red Bluff.

July 18: Four sets were made, one each at Kelly Rock, Popof Head, Red Bluff, and Elephant Rock.

July 25: Five sets were made, one each at Popof Head, Red Bluff and Elephant Rock and two sets at Middle Set.

July 26: Five sets were made, one each at Elephant Rock, Middle Set and Red Bluff and two sets at Popof Head.

July 27: Four sets were made, one each at Popof Head and Middle Set and two sets at Red Bluff.

July 29: Seven commercial sets were observed, one at Elephant Rock, two each at Popof Head, Middle Set, and Red Bluff; 345 immature salmon were observed, an average of 49.3 per set.

Table 51. South Peninsula post June, July 1-December 31, chinook harvest by gear, 1970-94.<sup>a</sup>

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	750	96.5	19	2.4	8	1.0	777
1971	1,219	93.4	47	3.6	39	3.0	1,305
1972	647	96.1	8	1.2	18	2.7	673
1973	155	97.5	1	0.6	3	1.9	159
1974	509	91.4	22	3.9	26	4.7	557
1975	0	0.0	0	0.0	0	0.0	0
1976	5	35.7	1	7.1	8	57.1	14
1977	18	51.4	0	0.0	17	48.6	35
1978	204	91.9	0	0.0	18	8.1	222
1979	981	93.5	2	0.2	66	6.3	1,049
1980	1,495	95.3	0	0.0	74	4.7	1,569
1981	4,280	96.9	0	0.0	135	3.1	4,415
1982	2,294	89.4	90	3.5	182	7.1	2,566
1983	12,552	97.8	78	0.6	203	1.6	12,833
1984	4,338	88.3	161	3.3	414	8.4	4,913
1985	625	86.3	24	3.3	75	10.4	724
1986	3,395	94.7	24	0.7	167	4.7	3,586
1987	3,700	94.0	64	1.6	171	4.3	3,935
1988	6,586	93.9	142	2.0	283	4.0	7,011
1989	3,584	84.8	295	7.0	346	8.2	4,225
1990	5,605	90.9	122	2.0	437	7.1	6,164
1991	2,085	74.3	62	2.2	660	23.5	2,807
1992	3,724	92.2	47	1.2	269	6.7	4,040
1993	3,666	85.2	111	2.6	524	12.2	4,301
1994	1,321	76.5	25	1.4	380	22.0	1,726
<hr/>							
Average 1974-93							
	2,982	91.8	62	1.9	204	6.3	3,248
<hr/>							
Average 1984-93							
	3,731	89.5	105	2.5	335	8.0	4,171

<sup>a</sup> Does not include test fish harvests.

Table 52. South Peninsula post June, July 1-December 31, sockeye harvest by gear, 1970-94.<sup>a</sup>

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	28,397	44.7	15,364	24.2	19,808	31.2	63,569
1971	82,826	36.8	105,274	46.8	37,062	16.5	225,162
1972	18,957	42.0	15,580	34.5	10,637	23.5	45,174
1973	15,796	27.1	16,246	27.9	26,165	45.0	58,207
1974	63,511	37.0	52,481	30.6	55,708	32.4	171,700
1975	1,642	47.6	0	0.0	1,807	52.4	3,449
1976	9,630	46.5	2,649	12.8	8,428	40.7	20,707
1977	32,051	52.8	0	0.0	28,618	47.2	60,669
1978	57,448	76.8	0	0.0	17,391	23.2	74,839
1979	193,629	68.3	1,097	0.4	88,626	31.3	283,352
1980	260,433	70.1	398	0.1	110,807	29.8	371,638
1981	171,658	54.2	1,388	0.4	143,899	45.4	316,945
1982	92,784	52.4	13,472	7.6	70,904	40.0	177,160
1983	258,763	49.5	19,005	3.6	245,145	46.9	522,913
1984	240,959	45.9	26,698	5.1	257,618	49.0	525,275
1985	178,953	60.7	18,441	6.3	97,388	33.0	294,782
1986	412,251	60.0	30,261	4.4	245,013	35.6	687,525
1987	238,678	51.5	39,360	8.5	185,052	40.0	463,090
1988	423,852	59.1	44,657	6.2	248,455	34.7	716,964
1989	470,465	51.7	86,343	9.5	352,585	38.8	909,393
1990	524,630	50.5	132,907	12.8	381,728	36.7	1,039,265
1991	232,338	40.7	21,721	3.8	316,629	55.5	570,688
1992	443,201	50.9	44,935	5.2	382,551	43.9	870,687
1993	288,648	45.1	23,421	3.7	327,343	51.2	639,412
1994	147,337	27.2	18,134	3.4	375,637	69.4	541,108
<hr/>							
Average 1974-93							
	229,776	52.7	27,962	6.4	178,285	40.9	436,023
<hr/>							
Average 1984-93							
	345,398	51.4	46,874	7.0	279,436	41.6	671,708

<sup>a</sup> Does not include test fish harvests.

Table 53. South Peninsula post June, July 1-December 31, coho harvest by gear, 1970-94.<sup>a</sup>

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	31,789	97.8	56	0.2	674	2.1	32,519
1971	16,346	96.7	356	2.1	204	1.2	16,906
1972	7,795	97.4	59	0.7	145	1.8	7,999
1973	6,286	95.7	43	0.7	242	3.7	6,571
1974	8,091	86.4	1,110	11.9	161	1.7	9,362
1975	37	56.1	0	0.0	29	43.9	66
1976	53	24.9	0	0.0	160	75.1	213
1977	1,034	49.1	0	0.0	1,074	50.9	2,108
1978	57,842	95.2	0	0.0	2,929	4.8	60,771
1979	346,021	97.0	33	0.0	10,508	2.9	356,562
1980	249,602	91.3	0	0.0	23,726	8.7	273,328
1981	155,653	96.1	10	0.0	6,236	3.9	161,899
1982	219,462	86.1	19,202	7.5	16,134	6.3	254,798
1983	109,822	86.4	3,658	2.9	13,677	10.8	127,157
1984	247,342	79.6	37,805	12.2	25,763	8.3	310,910
1985	128,931	75.8	18,033	10.6	23,082	13.6	170,046
1986	203,505	86.3	18,901	8.0	13,446	5.7	235,852
1987	169,763	75.5	30,445	13.5	24,532	10.9	224,740
1988	389,723	77.1	75,445	14.9	40,110	7.9	505,278
1989	305,558	69.2	88,376	20.0	47,463	10.8	441,397
1990	224,354	73.4	42,659	14.0	38,496	12.6	305,509
1991	199,104	63.6	51,215	16.4	62,891	20.1	313,210
1992	294,100	70.9	58,621	14.1	62,212	15.0	414,933
1993	148,565	69.4	26,364	12.3	39,091	18.3	214,020
1994	161,903	64.7	24,980	10.0	63,196	25.3	250,079
Average 1974-93							
	172,928	78.9	23,594	10.8	22,586	10.3	219,108
Average 1984-93							
	231,095	73.7	44,786	14.3	37,709	12.0	313,590

<sup>a</sup> Does not include test fish harvests.

Table 54. South Peninsula post June, July 1-December 31, pink harvest by gear, 1970-94.<sup>a</sup>

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	1,551,475	95.2	62,666	3.8	16,263	1.0	1,630,404
1971	1,414,696	99.4	1,983	0.1	6,849	0.5	1,423,528
1972	55,667	92.4	129	0.2	4,474	7.4	60,270
1973	34,463	89.5	545	1.4	3,492	9.1	38,500
1974	88,832	88.7	1,626	1.6	9,721	9.7	100,179
1975	54,435	98.3	0	0.0	960	1.7	55,395
1976	2,337,109	99.8	65	0.0	5,426	0.2	2,342,600
1977	1,427,176	98.9	0	0.0	16,069	1.1	1,443,245
1978	5,470,855	99.5	0	0.0	29,322	0.5	5,500,177
1979	6,306,410	98.4	16,635	0.3	86,539	1.4	6,409,584
1980	6,236,027	98.4	12	0.0	99,120	1.6	6,335,159
1981	4,461,879	97.4	7,200	0.2	112,564	2.5	4,581,643
1982	4,852,553	96.7	50,748	1.0	112,764	2.2	5,016,065
1983	2,688,187	97.0	5,586	0.2	77,971	2.8	2,771,744
1984	10,324,380	96.8	78,575	0.7	265,934	2.5	10,668,889
1985	4,096,285	94.7	21,803	0.5	205,797	4.8	4,323,885
1986	3,602,769	96.3	27,772	0.7	108,882	2.9	3,739,423
1987	1,135,252	95.3	3,025	0.3	53,235	4.5	1,191,512
1988	6,427,823	93.6	145,106	2.1	291,671	4.2	6,864,600
1989	6,641,815	93.7	85,946	1.2	362,134	5.1	7,089,895
1990	2,256,837	96.2	32,089	1.4	57,117	2.4	2,346,043
1991	9,614,533	96.4	26,740	0.3	336,150	3.4	9,977,423
1992	8,616,933	94.5	91,106	1.0	409,440	4.5	9,117,479
1993	9,494,663	96.5	12,037	0.1	337,262	3.4	9,843,962
1994	6,317,708	95.0	53,701	0.8	277,061	4.2	6,648,470
Average 1974-93							
	4,806,738	96.4	30,304	0.6	148,904	3.0	4,985,945
Average 1984-93							
	6,221,129	95.5	52,420	0.8	242,762	3.7	6,516,311

<sup>a</sup> Does not include test fish harvests.

Table 55. South Peninsula post June, July 1-December 31, chum harvest by gear, 1970-94.

Year	<u>Purse Seine</u>		<u>Drift Gillnet</u>		<u>Set Gillnet</u>		Total
	Number	Percent	Number	Percent	Number	Percent	
1970	497,990	90.4	31,764	5.8	20,944	3.8	550,698
1971	715,354	83.6	124,539	14.6	16,023	1.9	855,916
1972	144,992	68.2	55,615	26.2	11,898	5.6	212,505
1973	73,249	79.8	10,464	11.4	8,097	8.8	91,810
1974	51,538	72.2	13,998	19.6	5,894	8.3	71,430
1975	29,336	98.0	0	0.0	592	2.0	29,928
1976	118,482	97.7	1,390	1.1	1,410	1.2	121,282
1977	114,058	90.0	0	0.0	12,704	10.0	126,762
1978	403,352	95.2	0	0.0	20,180	4.8	423,532
1979	346,006	91.4	2,834	0.7	29,872	7.9	378,712
1980	758,344	89.9	8	0.0	85,636	10.1	843,988
1981	1,104,569	91.9	4,821	0.4	92,064	7.7	1,201,454
1982	1,060,812	90.6	17,406	1.5	93,290	8.0	1,171,508
1983	829,281	90.4	19,913	2.2	68,004	7.4	917,198
1984	1,186,753	90.4	30,941	2.4	94,653	7.2	1,312,347
1985	828,645	90.8	18,521	2.0	65,414	7.2	912,580
1986	1,300,638	93.3	22,294	1.6	71,400	5.1	1,394,332
1987	811,464	87.3	43,115	4.6	75,203	8.1	929,782
1988	1,228,987	88.9	68,066	4.9	84,743	6.1	1,381,796
1989	417,978	77.7	44,605	8.3	75,594	14.0	538,177
1990	600,040	83.8	46,700	6.5	69,200	9.7	715,940
1991	635,031	79.6	25,465	3.2	137,394	17.2	797,890
1992	776,939	88.3	29,252	3.3	73,875	8.4	880,066
1993	448,204	87.3	17,871	3.5	47,504	9.2	513,579
1994	1,458,898	91.5	26,262	1.6	108,430	6.8	1,593,590
<hr/>							
Average 1974-93	652,523	89.0	20,360	2.8	60,231	8.2	733,114
Average 1984-93	823,468	87.8	34,683	3.7	79,498	8.5	937,649

<sup>a</sup> Does not include test fish harvests.

Table 56. Southeastern District Mainland fishery, salmon harvest, all gear combined, season total by day, 1994.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	23	23	24	8	5,872	2	189	461	6,532
	24	38	73	56	23,859	10	463	614	25,002
	26	21	23	3	9,311	2	63	166	9,545
	27	39	61	49	27,356	8	668	998	29,079
	28	38	61	42	22,240	6	1,336	916	24,540
July	6	3	5	1	2,114	2	46	38	2,201
	9	48	65	21	40,410	199	1,286	736	42,652
	10	53	95	40	46,776	443	2,716	1,414	51,389
	11	11	12	1	1,685	7	45	13	1,751
	12	18	34	2	5,304	1	87	16	5,410
	13	19	27	2	5,012	0	151	8	5,173
	14	18	34	1	5,249	5	74	10	5,339
	15	11	12	0	1,289	6	37	2	1,334
	16	17	33	0	7,304	8	330	31	7,673
	17	17	28	0	3,909	1	403	14	4,327
	18	8	13	0	1,243	1	104	5	1,353
	19	9	16	0	1,969	2	204	6	2,181
	20	7	11	3	2,951	10	287	11	3,262
	21	7	14	4	2,161	31	419	21	2,636
	22	5	8	1	1,500	44	457	33	2,035
	23	6	13	4	2,126	83	693	55	2,961
	24	5	7	4	1,109	80	677	50	1,920
	25	5	9	0	908	90	423	33	1,454
	26	96	131	188	27,727	17,683	93,720	22,748	162,066
	27	7	8	0	534	23	408	34	999
	28	4	4	0	470	27	272	40	809
	29	32	58	35	12,423	962	19,667	4,562	37,649
	30	31	50	38	12,100	933	16,617	3,956	33,644
	31	26	42	13	6,179	923	11,261	3,719	22,095
Aug	5	34	52	9	4,782	1,193	54,268	13,618	73,870
	6	36	66	22	9,943	6,212	43,054	16,131	75,362
	9	21	31	3	5,798	904	29,791	19,919	56,415
	10	31	48	9	6,202	5,417	39,319	15,502	66,449
Sept	11	23	38	6	3,612	2,368	16,152	7,254	29,392
	1	29	29	1	2,679	2,197	0	3,060	7,937
	2	32	52	2	4,657	4,027	8	5,608	14,302
	5	24	26	0	2,375	2,311	0	288	4,974
	6	26	31	0	3,784	2,926	0	569	7,279
	7	25	28	0	2,074	2,240	0	479	4,793
	8	19	24	2	2,105	2,025	0	294	4,426
	9	6	6	0	481	426	0	82	989
	12	*	*	*	*	*	*	*	*
	15	*	*	*	*	*	*	*	*
	21	*	*	*	*	*	*	*	*
	23	*	*	*	*	*	*	*	*
Total Through July 25									
	56		678	242	221,657	1,041	11,158	5,651	239,749
Total From September 1-23									
	36		202	5	18,852	17,186	8	10,427	46,478
Total		122	1,408	570	330,279	54,872	335,695	123,561	844,977

\* Confidentiality requirements prohibit reporting harvest by day.



Table 57. Southeastern District Mainland fishery, salmon harvest by purse seine gear, season total by day, 1994.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
July	26	57	60	140	13,614	16,565	82,413	19,021	131,753
	29	4	4	1	1,644	302	9,819	1,277	13,043
	30	2	2	0	716	89	6,897	532	8,234
	31	3	3	0	950	356	4,973	834	7,113
Aug	5	7	8	4	812	287	48,147	10,010	59,260
	6	9	9	19	3,207	4,950	32,252	10,401	50,829
	9	5	5	0	1,431	537	25,284	16,665	43,917
	10	9	10	4	2,328	4,855	34,845	12,038	54,070
Sept	11	3	3	0	130	1,591	12,082	3,532	17,335
	1	*	*	*	*	*	*	*	*
	9	*	*	*	*	*	*	*	*
Total		61	106	168	24,832	29,544	256,712	80,358	391,614

\* Confidentiality requirements prohibit reporting harvest by day.

Table 58. Southeastern District Mainland fishery, salmon harvest by set gillnet gear, season total by day, 1994.

Catch				Number of Salmon					
Month	Date	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
June	23	23	24	8	5,872	2	189	461	6,532
	24	38	73	56	23,859	10	463	614	25,002
	26	21	23	3	9,311	2	63	166	9,545
	27	39	61	49	27,356	8	668	998	29,079
	28	38	61	42	22,240	6	1,336	916	2,201
July	6	3	5	1	2,114	2	46	38	2,201
	9	48	65	21	40,410	199	1,286	736	42,652
	10	53	95	40	46,776	443	2,716	1,414	51,389
	11	11	12	1	1,685	7	45	13	1,751
	12	18	34	2	5,304	1	87	16	5,410
	13	19	27	2	5,012	0	151	8	5,173
	14	18	34	1	5,249	5	74	10	5,339
	15	11	12	0	1,289	6	37	2	1,334
	16	17	33	0	7,304	8	330	31	7,673
	17	17	28	0	3,909	1	403	14	4,327
	18	8	13	0	1,243	1	104	5	1,353
	19	9	16	0	1,969	2	204	6	2,181
	20	7	11	3	2,951	10	287	11	3,262
	21	7	14	4	2,161	31	419	21	2,636
	22	5	8	1	1,500	44	457	33	2,035
	23	6	13	4	2,126	83	693	55	2,961
	24	5	7	4	1,109	80	677	50	1,920
	25	5	9	0	908	90	423	33	1,454
	26	39	71	48	14,113	1,118	11,307	3,727	30,313
	27	7	8	0	534	23	408	34	999
	28	4	4	0	470	27	272	40	809
	29	28	54	34	10,779	660	9,848	3,285	24,606
	30	29	48	38	11,384	844	9,720	3,424	25,410
	31	23	39	13	5,229	567	6,288	2,885	14,982
Aug	5	27	44	5	3,970	906	6,121	3,608	14,610
	6	27	57	3	6,736	1,262	10,802	5,730	24,533
	9	16	26	3	4,367	367	4,507	3,254	12,498
	10	22	38	5	3,874	562	4,474	3,464	12,379
Sept	11	20	35	6	3,482	777	4,070	3,722	12,057
	1	28	28	1	2,679	2,197	0	993	5,870
	2	31	51	2	4,657	4,015	8	1,627	10,309
	5	24	26	0	2,375	2,311	0	288	4,974
	6	26	31	0	3,784	2,926	0	569	7,279
	7	25	28	0	2,074	2,240	0	479	4,793
	8	19	24	2	2,105	2,025	0	294	4,426
	9	6	6	0	481	426	0	82	989
	12	*	*	*	*	*	*	*	*
	15	*	*	*	*	*	*	*	*
	21	*	*	*	*	*	*	*	*
	23	*	*	*	*	*	*	*	*
	Total Through July 25								
		56	678	242	221,657	1,041	11,158	5,651	239,749
Total		61	1,302	402	305,447	25,328	78,983	43,203	453,363

\* Confidentiality requirements prohibit reporting harvest by day.

Table 59. Southeastern District Mainland fishery post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	44	270	20	19,595	1,309	188,572	49,803	259,299
1971	48	354	92	35,354	304	234,058	144,649	414,457
1972	32	123	37	11,139	225	11,372	22,838	45,611
1973	24	147	9	21,598	346	10,639	10,064	42,656
1974	41	253	25	63,966	210	48,475	16,528	129,204
1975	13	25	0	3,156	63	3,020	770	7,009
1976	60	210	8	10,822	198	275,367	24,796	311,191
1977	54	294	28	39,002	2,001	170,648	21,626	233,305
1978	67	328	22	16,954	6,773	692,550	67,820	784,119
1979	82	608	118	110,990	24,780	1,170,896	81,112	1,387,896
1980	69	626	84	95,210	20,504	403,601	200,335	719,734
1981	85	1,014	272	156,106	13,408	910,826	411,134	1,491,746
1982	85	1,197	400	67,912	16,364	906,113	380,350	1,371,139
1983	89	1,217	1,376	324,443	18,397	178,700	246,358	769,274
1984	107	1,453	758	276,095	29,218	1,298,827	257,027	1,861,925
1985	81	874	77	79,657	15,545	1,017,490	165,206	1,277,975
1986	87	875	278	181,344	4,943	490,241	165,393	842,199
1987	100	799	288	106,903	24,100	378,911	241,392	751,594
1988	104	1,038	349	158,374	40,621	1,180,811	258,832	1,638,987
1989	121	1,214	1,191	277,091	74,321	3,005,086	132,027	3,489,716
1990	132	911	822	277,460	55,565	249,809	156,045	739,701
1991	126	1,198	833	211,742	49,872	2,119,180	191,976	2,573,603
1992	109	1,191	498	216,862	55,059	997,010	100,689	1,370,118
1993	123	1,516	1,448	261,567	37,031	2,661,335	65,414	3,026,795
1994	122	1,166	412	241,641	54,844	332,976	120,406	750,279
<hr/>								
1974-93	Average							
	87	842	444	146,783	24,449	907,945	159,242	1,238,862
1984-93	Average							
	109	1,107	654	204,710	38,628	1,339,870	173,400	1,757,261

Table 60. Southeastern District Mainland fishery post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	40	132	12	1,911	830	177,819	32,557	213,129
1971	41	216	59	3,141	223	229,739	134,967	368,129
1972	23	39	26	1,743	111	8,405	16,881	27,166
1973	13	21	8	782	236	8,560	5,753	15,339
1974	20	67	10	16,188	71	40,988	13,311	70,568
1975	6	11	0	1,349	34	2,060	178	3,621
1976	42	144	0	2,457	38	270,062	23,429	295,986
1977	34	136	12	13,053	1,006	164,621	14,898	193,590
1978	45	196	14	4,462	4,470	685,670	59,742	754,358
1979	51	251	56	36,337	17,649	1,131,202	61,958	1,247,202
1980	40	143	33	14,344	5,754	370,609	152,123	542,863
1981	51	366	151	32,719	9,664	844,046	357,077	1,243,657
1982	48	343	251	8,165	5,797	831,775	312,657	1,158,645
1983	49	260	1,256	109,489	7,416	151,331	197,038	466,530
1984	55	291	458	63,598	17,595	1,154,613	198,777	1,435,041
1985	42	245	49	18,219	8,864	892,831	134,668	1,054,631
1986	42	150	197	21,178	1,870	430,690	131,155	585,090
1987	49	160	203	9,421	12,461	352,451	204,662	579,198
1988	55	254	234	32,865	29,911	1,091,389	220,925	1,375,324
1989	75	438	1,077	130,549	64,247	2,824,089	95,146	3,115,108
1990	74	228	611	119,395	47,387	239,075	134,455	540,923
1991	70	348	551	60,417	36,910	1,945,583	126,403	2,169,864
1992	59	178	397	43,267	35,799	855,400	75,142	1,010,005
1993	62	363	1,055	59,265	25,021	2,484,375	38,703	2,608,419
1994	61	106	168	24,832	29,544	256,712	80,358	391,614
<hr/>								
1974-93	Average							
48	229	331	39,837	16,598	838,143	127,622	1,022,531	
1984-93	Average							
58	266	483	55,817	28,007	1,227,050	136,004	1,447,360	

<sup>a</sup> Drift gillnet landings comprised of 1 chinook, 379 sockeye, 1 coho, 6,016 pink, and 1,498 chum salmon were reassigned as purse seine landings.

Table 61. Southeastern District Mainland fishery post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	16	138	8	17,684	479	10,753	17,246	46,170
1971	14	138	33	32,213	81	4,319	9,682	46,328
1972	12	84	11	9,396	114	2,967	5,957	18,445
1973	15	126	1	20,816	110	2,079	4,311	27,317
1974	28	186	15	47,778	139	7,487	3,217	58,636
1975	7	14	0	1,807	29	960	592	3,388
1976	19	66	8	8,365	160	5,305	1,367	15,205
1977	20	158	16	25,949	995	6,027	6,728	39,715
1978	22	132	8	12,492	2,303	6,880	8,078	29,761
1979	33	357	62	74,653	7,131	39,694	19,154	140,694
1980	31	483	51	80,866	14,750	32,992	48,212	176,871
1981	34	649	121	123,387	3,744	66,780	54,057	248,089
1982	37	854	149	59,747	10,567	74,338	67,693	212,494
1983	40	957	120	214,954	10,981	27,369	49,320	302,744
1984	52	1,162	300	212,497	11,623	144,214	58,250	426,884
1985	39	629	28	61,438	6,681	124,659	30,538	223,344
1986	45	725	81	160,166	3,073	59,551	34,238	257,109
1987	51	639	85	97,482	11,639	26,460	36,730	172,396
1988	49	784	115	125,509	10,710	89,422	37,907	263,663
1989	46	776	114	146,542	10,074	180,997	36,881	374,608
1990	58	683	211	158,065	8,178	10,734	21,590	198,778
1991	56	850	282	151,325	12,962	173,597	65,573	403,739
1992	50	1,013	101	173,595	19,260	141,610	25,547	360,113
1993	61	1,153	393	202,302	12,010	176,960	26,711	418,376
1994	61	1,060	244	216,809	25,300	76,264	40,048	358,665
<hr/>								
1974-93 Average	39	613	113	106,946	7,850	69,802	31,619	216,330
1984-93 Average	51	841	171	148,892	10,621	112,820	37,397	309,901

Table 62. Shumagin Islands Section post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	50	512	735	22,219	30,065	486,657	116,392	656,068
1971	52	737	1,135	45,681	16,067	471,965	300,509	835,357
1972	44	431	619	18,070	7,686	34,047	97,606	158,028
1973	28	259	148	19,484	6,068	19,315	43,154	88,169
1974	37	205	507	43,484	8,031	35,706	37,323	125,051
1975	0	0	0	0	0	0	0	0
1976	42	127	0	3	3	303,422	7,968	311,396
1977	2	5	0	97	74	0	38	209
1978	69	643	189	51,261	40,433	1,213,961	164,930	1,470,774
1979	91	956	910	145,369	313,573	2,071,045	93,527	2,624,424
1980	86	1,239	1,456	235,438	233,501	1,625,784	283,432	2,379,611
1981	92	893	4,038	118,139	126,955	1,364,370	309,726	1,923,228
1982	89	964	1,969	67,269	207,273	1,638,712	295,325	2,210,548
1983	92	864	6,547	108,365	92,403	900,726	220,824	1,328,865
1984	90	858	3,222	96,149	211,648	1,786,737	259,497	2,357,253
1985	109	932	511	107,792	113,193	1,627,627	205,649	2,054,772
1986	99	1,352	3,149	341,966	201,518	1,497,905	557,407	2,601,945
1987	120	1,210	3,388	248,934	157,936	542,383	310,540	1,263,181
1988	120	2,041	5,955	416,917	351,118	3,396,332	415,308	4,585,630
1989	141	1,571	2,502	418,124	251,206	2,026,996	239,366	2,938,194
1990	139	1,447	4,939	424,473	183,836	1,106,869	347,227	2,067,344
1991	136	1,335	1,767	223,282	146,752	2,160,027	223,274	2,755,102
1992	129	1,437	2,750	252,526	233,709	2,296,809	238,393	3,024,187
1993	111	1,013	2,578	197,212	129,315	3,329,474	121,929	3,780,508
1994	116	993	1,048	153,916	151,821	1,135,218	252,596	1,694,599
<hr/>								
1974-93	Average							
	90	955	2,319	174,840	150,124	1,446,244	216,584	1,990,111
1984-93	Average							
	119	1,320	3,076	272,738	198,023	1,977,116	291,859	2,742,812

<sup>a</sup> Includes test fish catches.

Table 63. Shumagin Islands Section post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	45	456	735	20,616	29,869	480,668	112,328	644,216
1971	44	649	1,129	40,997	15,946	469,438	294,326	821,836
1972	39	388	614	16,861	7,661	33,387	94,827	153,350
1973	21	189	147	14,493	5,960	18,043	40,904	79,547
1974	26	148	497	39,955	8,011	34,796	35,737	118,996
1975	0	0	0	0	0	0	0	0
1976	42	127	0	3	3	303,422	7,968	311,396
1977	0	0	0	0	0	0	0	0
1978	51	513	182	46,478	39,807	1,198,020	153,278	1,437,765
1979	69	820	906	133,849	310,338	2,037,038	88,706	2,570,837
1980	65	1,056	1,451	215,842	232,103	1,608,291	268,704	2,326,391
1981	69	739	4,031	104,618	125,838	1,330,047	298,336	1,862,870
1982	65	812	1,953	61,306	204,187	1,617,128	283,527	2,168,101
1983	69	738	6,513	96,513	90,220	891,237	215,265	1,299,748
1984	65	603	3,161	75,357	207,577	1,730,094	245,951	2,262,140
1985	66	671	490	92,645	109,746	1,564,791	193,894	1,961,566
1986	64	911	3,102	282,235	198,490	1,462,948	537,754	2,484,529
1987	72	676	3,337	183,576	152,025	521,872	285,677	1,146,487
1988	72	1,140	5,862	326,863	340,745	3,221,597	385,772	4,280,839
1989	83	641	2,315	251,880	228,086	1,872,541	211,173	2,565,995
1990	82	723	4,748	260,225	168,410	1,071,568	308,035	1,812,986
1991	76	476	1,099	87,380	125,881	2,021,704	161,630	2,397,694
1992	73	579	2,507	118,420	209,569	2,070,119	201,258	2,601,873
1993	61	486	2,263	121,014	109,888	3,186,831	108,498	3,528,494
1994	63	359	854	65,989	123,462	1,007,533	216,512	1,414,350
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1974-93 Average	59	593	2,221	124,908	143,046	1,387,202	199,558	1,856,935
1984-93 Average	71	691	2,888	179,960	185,042	1,872,407	263,964	2,504,260

<sup>a</sup> Drift gillnet landings comprised of 209 sockeye, 8 coho, 806 pink, and 840 chum salmon were reassigned as purse seine landings.

Table 64. Shumagin Islands Section post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	11	48	0	1,394	188	5,183	3,224	9,989
1971	10	88	6	4,684	121	2,527	6,183	13,521
1972	6	43	5	1,209	25	660	2,779	4,678
1973	9	70	1	4,991	108	1,272	2,250	8,622
1974	18	57	10	3,529	20	910	1,586	6,055
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	2	5	0	97	74	0	38	209
1978	19	130	7	4,783	626	15,941	11,652	33,009
1979	24	135	4	11,520	3,235	32,537	4,821	52,117
1980	21	183	5	19,596	1,398	17,493	14,728	53,220
1981	23	154	7	13,521	1,117	34,323	11,390	60,358
1982	23	149	16	5,951	3,086	20,566	9,979	39,598
1983	23	126	34	11,852	2,183	9,489	5,559	29,117
1984	25	255	61	20,792	4,071	56,643	13,546	95,113
1985	43	261	21	15,147	3,447	62,836	11,755	93,206
1986	35	441	47	59,731	3,028	34,957	19,653	117,416
1987	48	534	51	65,358	5,911	20,511	24,863	116,694
1988	48	901	93	90,054	10,373	174,735	29,536	304,791
1989	57	924	131	164,545	20,674	150,927	27,454	363,731
1990	56	716	168	163,028	13,718	30,785	36,061	243,760
1991	59	842	297	124,711	16,965	119,134	50,037	311,144
1992	55	845	150	131,886	20,856	217,219	32,696	402,807
1993	49	521	71	74,437	14,535	139,699	12,604	241,346
1994	52	627	95	86,713	24,140	119,155	33,427	263,530
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1974-93	Average							
31		359	59	49,027	6,266	56,935	15,898	128,185
1984-93	Average							
48		624	109	90,969	11,358	100,745	25,821	229,001



Table 65. Southeastern District post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	62	782	755	41,814	31,374	675,229	166,195	915,367
1971	62	1,091	1,227	81,035	16,371	706,023	445,158	1,249,814
1972	58	554	656	29,209	7,911	45,419	120,444	203,639
1973	38	406	157	41,082	6,414	29,954	53,218	130,825
1974	52	458	532	107,450	8,241	84,181	53,851	254,255
1975	13	25	0	3,156	63	3,020	770	7,009
1976	63	337	8	10,825	201	578,789	32,764	622,587
1977	54	299	28	39,099	2,075	170,648	21,664	233,514
1978	76	971	211	68,215	47,206	1,906,511	232,750	2,254,893
1979	104	1,564	1,028	256,359	338,353	3,241,941	174,639	4,012,320
1980	103	1,865	1,540	330,648	254,005	2,029,385	483,767	3,099,345
1981	107	1,907	4,310	274,245	140,363	2,275,196	720,860	3,414,974
1982	109	2,161	2,369	135,181	223,637	2,544,825	675,675	3,581,687
1983	114	2,081	7,923	432,808	110,800	1,079,426	467,182	2,098,139
1984	122	2,311	3,980	372,244	240,866	3,085,564	516,524	4,219,178
1985	119	1,806	588	187,449	128,738	2,645,117	370,855	3,332,747
1986	115	2,227	3,427	523,310	206,461	1,988,146	722,800	3,444,144
1987	134	2,009	3,676	355,837	182,036	921,294	551,932	2,014,775
1988	127	3,079	6,304	575,291	391,739	4,577,143	674,140	6,224,617
1989	146	2,785	3,693	695,215	325,527	5,032,082	371,393	6,427,910
1990	150	2,358	5,761	701,933	239,401	1,356,678	503,272	2,807,045
1991	143	2,533	2,600	435,024	196,624	4,279,207	415,250	5,328,705
1992	136	2,628	3,248	469,388	288,768	3,293,819	339,082	4,394,305
1993	129	2,529	4,026	458,779	166,346	5,990,809	187,343	6,807,303
1994	135	2,159	1,460	395,557	206,665	1,468,194	373,002	2,444,878
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1974-93	Average							
	106	1,797	2,763	321,623	174,573	2,354,189	375,826	3,228,973
1984-93	Average							
	132	2,427	3,730	477,447	236,651	3,316,986	465,259	4,500,073

<sup>a</sup> Includes test fish catches.

Table 66. Southeastern District post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	51	577	746	22,215	30,698	655,301	144,087	853,047
1971	52	865	1,188	44,138	16,169	699,177	429,293	1,189,965
1972	48	427	640	18,604	7,772	41,792	111,708	180,516
1973	26	210	155	15,275	6,196	26,603	46,657	94,886
1974	34	215	507	56,143	8,082	75,784	49,048	189,564
1975	6	11	0	1,349	34	2,060	178	3,621
1976	46	271	0	2,460	41	573,484	31,397	607,382
1977	34	136	12	13,053	1,006	164,621	14,898	193,590
1978	53	709	196	50,940	44,277	1,883,690	213,020	2,192,123
1979	71	1,067	962	170,119	327,987	3,165,434	150,660	3,815,162
1980	70	1,199	1,484	230,186	237,857	1,978,900	420,827	2,869,254
1981	69	1,104	4,182	137,337	135,502	2,174,069	654,717	3,105,807
1982	67	1,155	2,204	69,471	209,984	2,448,903	596,184	3,326,746
1983	69	998	7,769	206,002	97,636	1,042,568	412,303	1,766,278
1984	69	894	3,619	138,955	225,172	2,884,707	444,728	3,697,181
1985	69	916	539	110,864	118,610	2,457,622	328,562	3,016,197
1986	67	1,061	3,299	303,413	200,360	1,893,638	668,909	3,069,619
1987	78	836	3,540	192,997	164,486	874,323	490,339	1,725,685
1988	72	1,394	6,096	359,728	370,656	4,312,986	606,697	5,656,163
1989	84	1,079	3,392	382,429	292,333	4,696,630	306,319	5,681,103
1990	82	951	5,359	379,620	215,797	1,310,643	442,490	2,353,909
1991	78	824	1,650	147,797	162,791	3,967,287	288,033	4,567,558
1992	74	757	2,904	161,687	245,368	2,925,519	276,400	3,611,878
1993	64	849	3,318	180,279	134,909	5,671,206	147,201	6,136,913
1994	72	465	1,022	90,821	153,006	1,264,245	296,870	1,805,964
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1974-93	Average							
	63	821	2,552	164,741	159,644	2,225,204	327,146	2,879,287
1984-93	Average							
	74	956	3,372	235,777	213,048	3,099,456	399,968	3,951,621

<sup>a</sup> Drift gillnet landings comprised of 1 chinook, 600 sockeye, 9 coho, 9,310 pink, and 4,157 chum salmon were reassigned as purse seine landings.

Table 67. Southeastern District post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	22	186	8	19,078	667	15,936	20,470	56,159
1971	22	226	39	36,897	202	6,846	15,865	59,849
1972	16	127	16	10,605	139	3,627	8,736	23,123
1973	21	196	2	25,807	218	3,351	6,561	35,939
1974	34	243	25	51,307	159	8,397	4,803	64,691
1975	7	14	0	1,807	29	960	592	3,388
1976	19	66	8	8,365	160	5,305	1,367	15,205
1977	20	163	16	26,046	1,069	6,027	6,766	39,924
1978	24	262	15	17,275	2,929	22,821	19,730	62,770
1979	35	492	66	86,173	10,366	72,231	23,975	192,811
1980	35	666	56	100,462	16,148	50,485	62,940	230,091
1981	37	802	128	136,908	4,861	101,103	65,447	308,447
1982	41	1,003	165	65,698	13,653	94,904	77,672	252,092
1983	45	1,083	154	226,806	13,164	36,858	54,879	331,861
1984	53	1,417	361	233,289	15,694	200,857	71,796	521,997
1985	50	890	49	76,585	10,128	187,495	42,293	316,550
1986	48	1,166	128	219,897	6,101	94,508	53,891	374,525
1987	56	1,173	136	162,840	17,550	46,971	61,593	289,090
1988	55	1,685	208	215,563	21,083	264,157	67,443	568,454
1989	61	1,700	245	311,087	30,748	331,924	64,335	738,339
1990	67	1,399	379	321,093	21,896	41,519	57,651	442,538
1991	64	1,692	579	276,036	29,927	292,731	115,610	714,883
1992	61	1,858	251	305,481	40,116	358,829	58,243	762,920
1993	64	1,674	464	276,739	26,545	316,659	39,315	659,722
1994	62	1,687	339	303,522	49,440	195,419	73,475	622,195
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1974-93	Average							
	44	972	172	155,973	14,116	126,737	47,517	344,515
1984-93	Average							
	58	1,465	280	239,861	21,979	213,565	63,217	538,902

Table 68. McGinty Point to Moss Cape post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	66	630	1	978	1,110	821,967	337,850	1,161,906
1971	63	606	12	1,124	89	608,108	231,958	841,291
1972	35	130	8	171	9	11,528	33,172	44,888
1973	29	121	1	105	107	7,229	26,367	33,809
1974	16	48	1	4,461	2	12,912	2,262	19,638
1975	32	48	0	53	3	34,517	28,969	63,542
1976	66	800	3	4,421	12	1,744,992	79,094	1,828,522
1977	88	992	7	9,024	32	1,256,922	98,327	1,364,312
1978	82	933	11	2,604	1,729	2,348,048	134,839	2,487,231
1979	95	829	6	4,655	4,426	2,238,922	179,481	2,427,490
1980	80	439	12	4,054	1,614	1,012,001	254,902	1,272,583
1981	103	750	16	12,816	1,852	2,082,924	358,538	2,456,146
1982	71	620	33	3,204	4,158	1,809,043	306,572	2,123,010
1983	96	638	226	11,046	3,608	1,354,408	160,381	1,529,669
1984	101	836	375	24,919	5,283	4,135,801	409,513	4,575,891
1985	76	503	75	25,519	5,906	1,252,884	336,104	1,620,488
1986	67	485	37	57,946	1,404	1,358,131	388,047	1,805,565
1987	89	444	119	47,866	2,578	237,614	290,350	578,527
1988	61	349	395	63,303	17,315	319,803	323,988	724,804
1989	79	290	118	81,058	5,315	590,519	52,827	729,837
1990	99	452	194	151,597	8,146	609,313	93,920	863,170
1991	105	695	353	95,171	34,516	3,906,212	252,875	4,289,127
1992	118	757	755	273,637	40,134	3,166,208	397,161	3,877,895
1993	92	491	292	108,341	13,089	2,159,042	229,599	2,510,363
1994	118	715	240	79,025	7,962	2,329,784	920,941	3,337,952
<hr/>								
1974-93 Average	81	570	151	49,285	7,556	1,581,511	218,887	1,857,391
1984-93 Average	89	530	271	92,936	13,369	1,773,553	277,438	2,157,567

Table 69. McGinty Point to Moss Cape post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	83	628	1	976	1,103	821,693	337,758	1,161,531
1971	63	606	12	1,124	89	608,108	231,958	841,291
1972	34	121	6	161	9	10,698	30,081	40,955
1973	27	110	0	55	84	7,096	24,924	32,159
1974	10	21	0	60	0	11,588	1,171	12,819
1975	32	48	0	53	3	34,517	28,969	63,542
1976	65	799	3	4,358	12	1,744,871	79,051	1,828,295
1977	80	957	6	6,452	27	1,246,880	92,389	1,345,754
1978	79	924	8	2,488	1,729	2,341,547	134,389	2,480,161
1979	89	801	6	2,215	4,295	2,227,509	174,363	2,408,388
1980	71	402	10	3,152	490	979,124	240,425	1,223,201
1981	97	715	14	10,116	1,783	2,075,070	344,284	2,431,267
1982	67	594	32	2,862	4,146	1,804,825	302,750	2,114,615
1983	88	594	218	8,651	3,542	1,326,686	154,647	1,493,744
1984	97	816	364	22,676	5,265	4,127,075	397,328	4,552,708
1985	71	483	72	23,809	5,898	1,244,188	328,730	1,602,697
1986	65	473	35	56,551	1,403	1,357,777	381,669	1,797,435
1987	77	396	110	38,852	2,241	232,080	283,950	557,233
1988	53	300	387	46,340	15,210	318,506	318,219	698,662
1989	68	217	99	59,889	4,541	572,155	50,390	687,074
1990	82	370	179	122,015	6,853	600,260	90,188	819,495
1991	94	600	330	74,518	27,050	3,874,087	242,477	4,218,462
1992	106	699	752	253,888	38,559	3,150,762	394,091	3,838,052
1993	79	437	282	98,925	12,386	2,146,264	227,186	2,485,043
1994	99	573	228	35,504	5,661	2,280,950	905,829	3,228,172
<hr/>								
1974-93 Average								
74	532	145	41,894	6,772	1,570,789	213,333	1,832,932	
1984-93 Average								
79	479	261	79,746	11,941	1,762,315	271,423	2,125,686	

<sup>a</sup> Drift gillnet landings comprised of 140 sockeye, 44 coho, 77,459 pink, and 26,020 chum salmon were reassigned as purse seine landings.

Table 70. McGinty Point to Moss Cape post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	2	2	0	2	7	274	92	375
1971	0	0	0	0	0	0	0	0
1972	4	9	2	10	0	830	3,091	3,933
1973	3	11	1	50	23	133	1,443	1,650
1974	9	27	1	4,401	2	1,324	1,091	6,819
1975	0	0	0	0	0	0	0	0
1976	1	1	0	63	0	121	43	227
1977	9	35	1	2,572	5	10,042	5,938	18,558
1978	4	9	3	116	0	6,501	450	7,070
1979	10	28	0	2,440	131	11,413	5,118	19,102
1980	9	37	2	902	1,124	32,877	14,477	49,382
1981	6	35	2	2,700	69	7,854	14,254	24,879
1982	4	26	1	342	12	4,218	3,822	8,395
1983	8	44	8	2,395	66	27,722	5,734	35,925
1984	4	20	11	2,243	18	8,726	12,185	23,183
1985	5	20	3	1,710	8	8,696	7,374	17,791
1986	2	12	2	1,395	1	354	6,378	8,130
1987	12	48	9	9,014	337	5,534	6,400	21,294
1988	8	49	8	16,963	2,105	1,297	5,769	26,142
1989	11	73	19	21,169	774	18,364	2,437	42,763
1990	17	82	15	29,582	1,293	9,053	3,732	43,675
1991	11	95	23	20,653	7,466	32,125	10,398	70,665
1992	12	58	3	19,749	1,575	15,446	3,070	39,843
1993	13	54	10	9,416	703	12,778	2,413	25,320
1994	19	142	12	43,521	2,301	48,834	15,112	109,780
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1974-93 Average	8	38	6	7,391	784	10,722	5,554	24,458
1984-93 Average	10	51	10	13,189	1,428	11,237	6,016	31,881

Table 71. Belkofski Bay to Kenmore Head post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	28	97	0	1,049	17	128,047	35,060	164,173
1971	23	94	1	1,118	13	106,649	30,198	137,979
1972	11	17	0	7	0	3,125	2,296	5,428
1973	4	8	0	166	6	731	1,403	2,306
1974	4	4	0	0	0	1,411	224	1,635
1975	15	17	0	240	0	17,858	189	18,287
1976	9	12	0	1,372	0	18,454	6,908	26,734
1977	16	24	0	12,546	1	15,675	6,771	34,993
1978	42	273	0	3,998	11,834	1,198,699	54,027	1,268,558
1979	47	290	0	11,077	13,753	920,547	23,598	968,975
1980	80	632	17	36,439	17,652	3,245,136	105,083	3,404,327
1981	47	263	5	19,447	19,029	215,066	98,875	352,422
1982	53	381	14	19,233	1,457	612,564	167,191	800,459
1983	52	194	9	14,097	699	320,468	85,777	421,050
1984	74	517	2	60,794	730	3,116,179	231,619	3,409,324
1985	50	264	6	45,812	7,238	388,365	176,437	617,858
1986	52	286	7	42,922	2,498	332,177	243,182	620,786
1987	29	73	6	5,017	6,809	26,190	33,879	71,901
1988	51	495	19	7,328	11,581	1,721,963	250,009	1,990,900
1989	48	347	26	13,535	5,365	1,362,488	18,227	1,399,641
1990	50	210	30	22,779	13,156	321,850	33,549	391,364
1991	50	363	75	18,846	19,011	1,773,650	104,063	1,915,645
1992	56	526	59	70,369	14,794	2,428,144	104,649	2,618,015
1993	56	427	108	47,652	10,800	1,683,508	78,205	1,820,273
1994	71	681	94	46,016	12,959	2,671,204	270,058	3,000,331
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1974-93 Average	44	280	19	22,675	7,820	986,020	91,123	1,107,657
1984-93 Average	52	351	34	33,505	9,198	1,315,451	127,382	1,485,571

Table 72. Belkofski Bay to Kenmore Head post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.<sup>a</sup>

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	31	97	0	1,049	17	128,047	35,060	164,173
1971	24	94	1	1,118	13	106,649	30,198	137,979
1972	11	17	0	7	0	3,125	2,296	5,428
1973	4	8	0	166	6	731	1,403	2,306
1974	4	4	0	0	0	1,411	224	1,635
1975	15	17	0	240	0	17,858	189	18,287
1976	9	12	0	1,372	0	18,454	6,908	26,734
1977	16	24	0	12,546	1	15,675	6,771	34,993
1978	42	273	0	3,998	11,834	1,198,699	54,027	1,268,558
1979	47	282	0	11,064	13,742	917,652	22,819	965,277
1980	72	571	1	27,032	11,210	3,229,721	96,889	3,364,853
1981	39	179	0	15,298	17,753	211,505	86,655	331,211
1982	44	272	5	16,220	68	601,255	155,584	773,132
1983	43	148	0	6,254	645	307,380	79,693	393,972
1984	66	494	2	52,696	189	3,077,230	229,937	3,360,054
1985	43	228	4	40,265	3,152	383,454	167,626	594,501
1986	45	239	2	35,846	711	324,921	239,991	601,471
1987	21	39	0	1,509	2,899	25,894	30,101	60,403
1988	43	425	9	1,409	3,292	1,711,841	244,710	1,961,261
1989	37	285	12	5,724	137	1,353,531	13,049	1,372,453
1990	33	109	13	5,463	1,520	317,123	28,078	352,197
1991	39	267	59	6,564	4,519	1,764,619	99,087	1,874,848
1992	39	370	53	24,176	4,785	2,402,746	97,710	2,529,470
1993	40	307	66	9,307	1,270	1,677,193	73,817	1,761,653
1994	54	465	69	18,484	2,348	2,643,071	251,392	2,915,364
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1974-93 Average	37	227	11	13,849	3,886	977,908	86,693	1,082,348
1984-93 Average	41	276	22	18,296	2,247	1,303,855	122,411	1,446,831

<sup>a</sup> Beach seine landings of 2,224 pink and 103 chum salmon and drift gillnet landings of 2,147 sockeye, 107 coho, 31,219 pink, and 4,841 chum salmon were reassigned to the purse seine catch.



Table 73. Belkofski Bay to Kenmore Head post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	0
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	1	8	0	13	11	2,895	779	3,698
1980	8	61	16	9,407	6,442	15,415	8,194	39,474
1981	8	84	5	4,149	1,276	3,561	12,220	21,211
1982	10	109	9	3,013	1,389	11,309	11,607	27,327
1983	9	46	9	7,843	54	13,088	6,084	27,078
1984	8	23	0	8,098	541	38,949	1,682	49,270
1985	7	36	2	5,547	4,086	4,911	8,811	23,357
1986	7	47	5	7,076	1,787	7,256	3,191	19,315
1987	8	34	6	3,508	3,910	296	3,778	11,498
1988	8	70	10	5,919	8,289	10,122	5,299	29,639
1989	11	62	14	7,811	5,228	8,957	5,178	27,188
1990	17	101	17	17,316	11,636	4,727	5,471	39,167
1991	11	96	16	12,282	14,492	9,031	4,976	40,797
1992	17	156	6	46,193	10,009	25,398	6,939	88,545
1993	16	120	42	38,345	9,530	6,315	4,388	58,620
1994	17	216	25	27,532	10,611	28,133	18,666	84,967
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1974-93 Average	7	53	8	8,826	3,934	8,112	4,430	25,309
1984-93 Average	11	75	12	15,210	6,951	11,596	4,971	38,740

Table 74. Kenmore Head to Scotch Cap post June, July 1-December 31, salmon harvest by species, all gear combined, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	39	96	20	17,895	18	4,910	10,625	33,468
1971	122	497	60	132,165	429	4,598	133,565	270,817
1972	50	133	5	7,131	52	85	20,521	27,794
1973	74	158	1	15,632	44	536	9,092	25,305
1974	48	234	24	59,789	1,119	1,675	15,093	77,700
1975	0	0	0	0	0	0	0	0
1976	27	32	3	4,089	0	365	2,516	6,973
1977	0	0	0	0	0	0	0	0
1978	8	10	0	22	2	46,919	1,916	48,859
1979	9	16	15	11,261	30	8,174	994	20,474
1980	9	12	0	497	57	48,637	236	49,427
1981	13	20	84	10,437	655	8,457	23,181	42,814
1982	43	196	149	19,466	25,327	48,975	20,763	114,680
1983	62	252	4,649	62,565	10,156	12,305	198,786	288,461
1984	79	582	549	66,658	63,753	328,797	153,763	613,520
1985	59	394	55	35,829	28,003	34,716	28,665	127,268
1986	54	442	109	60,261	25,467	59,932	38,194	183,963
1987	74	386	115	47,965	33,074	4,981	47,542	133,677
1988	94	664	246	60,375	66,872	207,843	112,292	447,628
1989	126	734	439	114,595	102,961	82,693	82,899	383,587
1990	89	562	199	140,541	37,681	51,047	79,160	308,628
1991	58	315	150	32,838	66,965	37,543	37,309	174,805
1992	62	419	71	59,513	74,521	238,779	43,613	416,497
1993	46	242	119	26,401	28,677	13,547	19,259	88,003
1994	34	190	31	21,724	26,712	187,818	32,246	268,531
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1974-93 Average	48	276	349	40,655	28,266	61,769	45,309	176,348
1984-93 Average	74	474	205	64,498	52,797	105,988	64,270	287,758

Table 75. Kenmore Head to Scotch Cap post June, July 1-December 31, salmon harvest by species, purse seine gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	7	14	3	3,859	2	3,843	2,791	10,498
1971	18	57	18	36,091	75	2,986	23,510	62,680
1972	2	3	1	139	0	12	499	651
1973	4	4	0	300	0	33	265	598
1974	10	17	2	7,308	9	49	1,095	8,463
1975	0	0	0	0	0	0	0	0
1976	5	7	2	1,440	0	300	1,126	2,868
1977	0	0	0	0	0	0	0	0
1978	8	10	0	22	2	46,919	1,916	48,859
1979	5	10	13	10,257	0	8,124	907	19,301
1980	6	6	0	63	45	48,282	203	48,593
1981	8	11	84	8,917	625	8,411	22,903	40,940
1982	12	21	53	4,755	5,264	21,283	6,303	37,658
1983	31	111	4,544	37,376	7,993	11,203	182,079	243,195
1984	36	103	347	26,014	16,543	240,718	114,246	397,868
1985	17	21	10	4,470	1,322	8,889	3,670	18,361
1986	19	44	53	13,360	1,016	25,396	7,975	47,800
1987	9	15	35	3,445	120	1,690	4,604	9,894
1988	24	54	94	15,553	557	81,454	59,136	156,794
1989	35	62	81	21,664	8,547	19,030	39,020	88,342
1990	17	29	54	17,532	184	28,811	39,284	85,865
1991	10	14	46	3,459	4,744	8,540	5,434	22,223
1992	10	35	15	3,450	5,388	137,906	8,738	155,497
1993	1	1	0	137	0	0	0	137
1994	6	16	2	2,528	888	129,442	4,807	137,667
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1974-93 Average	13	29	272	8,961	2,618	34,850	24,932	71,633
1984-93 Average	18	38	74	10,908	3,842	55,243	28,211	98,278

Table 76. Kenmore Head to Scotch Cap post June, July 1-December 31, salmon harvest by species, drift gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	32	75	17	13,308	16	1,014	7,452	21,807
1971	106	438	42	95,909	352	1,609	109,897	207,809
1972	47	127	4	6,970	46	56	19,951	27,027
1973	69	151	1	15,024	43	495	8,734	24,297
1974	46	217	22	52,481	1,110	1,626	13,998	69,237
1975	0	0	0	0	0	0	0	0
1976	22	25	1	2,649	0	65	1,390	4,105
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	4	6	2	1,004	30	50	87	1,173
1980	2	2	0	398	0	12	8	418
1981	2	2	0	1,378	0	0	135	1,513
1982	26	148	89	12,860	18,983	25,359	14,271	71,562
1983	23	84	73	17,088	1,770	799	15,400	35,130
1984	37	310	160	26,656	37,700	70,677	30,527	165,720
1985	33	181	24	17,813	17,821	21,432	18,159	75,249
1986	28	242	24	30,256	18,894	27,772	22,279	99,225
1987	54	274	60	34,830	30,219	2,857	39,506	107,472
1988	63	470	95	34,812	57,682	110,294	46,924	249,807
1989	80	556	290	80,413	83,701	60,774	40,235	265,413
1990	64	445	119	109,272	33,826	20,418	37,530	201,165
1991	43	237	62	21,721	51,215	26,740	25,465	125,203
1992	42	312	47	44,935	58,621	91,106	29,252	223,961
1993	41	215	111	23,421	26,364	12,037	17,871	79,804
1994	24	160	25	18,134	24,980	53,701	26,262	123,102
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1974-93 Average	31	186	59	25,599	21,897	23,601	17,652	88,808
1984-93 Average	49	324	99	42,413	41,604	44,411	30,725	159,302

Table 77. Kenmore Head to Scotch Cap post June, July 1-December 31, salmon harvest by species, set gillnet gear, 1970-94.

Year	Permit	Landing	Number Of Salmon					Total
			Chinook	Sockeye	Coho	Pink	Chum	
1970	2	7	0	728	0	53	382	1,163
1971	2	2	0	165	2	3	158	328
1972	2	3	0	22	6	17	71	116
1973	1	3	0	308	1	8	93	410
1974	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0
1977	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0
1980	1	4	0	36	12	343	25	416
1981	3	7	0	142	30	46	143	361
1982	5	27	7	1,851	1,080	2,333	189	5,460
1983	8	57	32	8,101	393	303	1,307	10,136
1984	6	169	42	13,988	9,510	17,402	8,990	49,932
1985	9	192	21	13,546	8,860	4,395	6,836	33,658
1986	7	156	32	16,645	5,557	6,764	7,940	36,938
1987	11	97	20	9,690	2,735	434	3,432	16,311
1988	7	140	57	10,010	8,633	16,095	6,232	41,027
1989	11	116	68	12,518	10,713	2,889	3,644	29,832
1990	8	89	26	13,737	3,671	1,818	2,346	21,598
1991	5	64	42	7,658	11,006	2,263	6,410	27,379
1992	10	72	9	11,128	10,512	9,767	5,623	37,039
1993	4	26	8	2,843	2,313	1,510	1,388	8,062
1994	4	14	4	1,062	844	4,675	1,177	7,762
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1974-93 Average	5	61	18	6,095	3,751	3,318	2,725	15,907
1984-93 Average	8	112	33	11,176	7,351	6,334	5,284	30,178

Table 78. South Peninsula salmon runs by species, 1962-94.

Year		Chinook	Sockeye	Coho	Pink	Chum
1962	Catch	3,300	420,000	12,500	1,965,400	824,800
	Escapement	0	18,800	-	1,598,800	399,400
	Total	3,300	438,800	-	3,564,200	1,224,200
1963	Catch	1,900	204,400	16,500	2,367,700	461,300
	Escapement	0	23,000	-	1,317,900	446,700
	Total	1,900	227,400	-	3,685,600	908,000
1964	Catch	2,000	370,800	13,600	2,740,300	751,000
	Escapement	0	15,700	-	1,436,400	454,800
	Total	2,000	386,500	-	4,176,700	1,205,800
1965	Catch	2,100	915,700	34,200	2,884,100	556,400
	Escapement	0	12,100	-	1,035,400	228,000
	Total	2,100	927,800	-	3,919,500	784,400
1966	Catch	1,400	606,200	6,300	305,800	494,400
	Escapement	0	17,000	-	719,400	422,000
	Total	1,400	623,200	-	1,025,200	916,400
1967	Catch	1,600	294,100	2,900	78,300	245,200
	Escapement	0	16,200	-	445,500	182,900
	Total	1,600	310,300	-	523,800	428,100
1968	Catch	1,400	699,800	31,100	1,287,100	325,300
	Escapement	0	12,800	-	823,300	279,100
	Total	1,400	712,600	-	2,110,400	604,400
1969	Catch	1,900	912,800	10,900	1,219,100	389,200
	Escapement	0	29,500	-	2,474,900	134,600
	Total	1,900	942,300	-	3,694,000	523,800
1970	Catch	1,806	1,799,525	32,571	1,737,985	993,349
	Escapement	0	16,500	-	1,298,900	280,500
	Total	1,806	1,816,025	-	3,036,885	1,273,849
1971	Catch	2,174	716,087	16,907	1,445,031	1,365,957
	Escapement	0	19,400	-	702,700	343,200
	Total	2,174	735,487	-	2,147,731	1,709,157
1972	Catch	1,332	557,422	8,021	78,221	731,814
	Escapement	0	11,900	-	111,400	254,500
	Total	1,332	569,322	-	189,621	986,314
1973	Catch	415	330,091	6,599	58,051	292,943
	Escapement	0	7,300	-	110,800	212,500
	Total	415	337,391	-	168,851	505,443
1974	Catch	581	197,153	9,366	100,601	71,826
	Escapement	0	95,600	-	284,400	257,300
	Total	581	292,753	-	385,001	329,126

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Table 78. (page 2 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum
1975	Catch	117	243,548	67	60,642	130,750
	Escapement	0	51,700	-	552,100	193,300
	Total	117	295,248	-	612,742	324,050
1976	Catch	2,196	375,027	216	2,366,833	532,503
	Escapement	0	69,700	-	1,456,400	327,200
	Total	2,196	444,727	-	3,823,233	859,703
1977	Catch	559	311,722	2,108	1,448,648	243,167
	Escapement	0	64,900	-	2,677,800	774,900
	Total	559	376,622	-	4,126,448	1,018,067
1978	Catch	773	579,411	60,774	5,590,145	546,182
	Escapement	0	64,800	-	2,858,700	600,500
	Total	773	644,211	-	8,348,845	1,146,682
1979	Catch	2,141	1,149,927	356,867	6,564,914	482,930
	Escapement	0	53,300	-	2,629,500	411,100
	Total	2,141	1,203,227	-	9,194,414	894,030
1980	Catch	4,794	3,613,025	274,181	7,861,470	1,353,112
	Escapement	0	45,900	-	2,641,600	362,400
	Total	4,794	3,658,925	-	10,502,070	1,713,512
1981	Catch	11,182	2,241,513	162,223	5,033,028	1,768,475
	Escapement	0	45,700	-	2,307,500	381,300
	Total	11,182	2,287,213	-	7,340,528	2,149,775
1982	Catch	9,845	2,345,981	256,046	6,734,905	2,272,495
	Escapement	0	39,200	-	2,293,000	386,900
	Total	9,845	2,385,181	-	9,027,905	2,659,395
1983	Catch	26,571	2,556,557	127,657	2,827,622	1,704,072
	Escapement	0	59,200	-	851,200	446,500
	Total	26,571	2,615,757	-	3,678,822	2,150,572
1984	Catch	9,198	2,318,028	310,950	11,589,258	1,654,622
	Escapement	0	54,800	-	3,811,600	699,700
	Total	9,198	2,372,828	-	15,400,858	2,354,322
1985	Catch	6,642	2,144,416	172,514	4,431,016	1,348,726
	Escapement	0	49,900	-	1,614,100	503,400
	Total	6,642	2,194,316	-	6,045,116	1,852,126
1986	Catch	5,589	1,223,089	235,854	4,031,487	1,749,651
	Escapement	0	48,000	-	1,716,700	544,500
	Total	5,589	1,271,089	-	5,748,187	2,294,226
1987	Catch	9,174	1,449,753	225,120	1,208,556	1,376,887
	Escapement	0	44,600	-	1,540,500	620,700
	Total	9,174	1,494,353	-	2,749,056	1,997,587

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Table 78. (page 3 of 3)

Year		Chinook	Sockeye	Coho	Pink	Chum
1988	Catch	11,075	1,473,651	505,533	7,044,824	1,908,507
	Escapement	0	74,100	-	2,839,600	496,400
	Total	11,075	1,547,751	-	9,884,424	2,404,907
1989	Catch	7,065	2,660,800	443,843	7,292,658	994,231
	Escapement	0	78,100	-	1,870,900	310,500
	Total	7,065	2,738,900	-	9,163,558	1,304,731
1990	Catch	16,522	2,386,844	307,218	2,865,856	1,237,826
	Escapement	0	95,300	(75.0-100.0) <sup>a</sup>	1,598,400	354,700
	Total	16,522	2,482,144	367.2-397.2 <sup>a</sup>	4,464,256	1,592,526
1991	Catch	7,975	2,319,942	317,129	10,616,756	1,588,795
	Escapement	0	124,900	-	2,946,800	587,600
	Total	7,975	2,444,842	-	13,563,556	2,176,395
1992	Catch	8,026	3,445,914	418,232	9,770,386	1,316,709
	Escapement	0	97,600	-	2,834,400	335,500
	Total	8,026	3,543,514	-	12,604,786	1,652,209
1993	Catch	14,413	3,689,074	220,148	9,928,107	1,048,257
	Escapement	0	100,341	-	2,990,140	397,030
	Total	14,413	3,789,415	-	12,918,247	1,445,287
1994	Catch	10,002	2,107,233	255,905	9,179,853	2,192,079
	Escapement	0	120,255	-	3,071,725	579,100
	Total	10,002	2,227,488	-	12,251,578	2,771,179

<sup>a</sup> Escapements are indexed totals. Figures in parenthesis are rough extrapolated estimates.



Table 79. South Peninsula pink salmon runs, 1962-94.

Year		<u>Not including June Migrants</u>		South Peninsula Totals	<u>June Migrants</u>		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts		South Unimak	Shumagins	
1962	Catch	922,100	977,300	1,899,400	42,000	24,000	66,000
	Escapement	826,100	772,700	1,598,800			
	Total	1,748,200	1,750,000	3,498,200			
1963	Catch	1,733,900	590,800	2,324,700	14,000	29,000	43,000
	Escapement	886,500	431,400	1,317,900			
	Total	2,620,400	1,022,200	3,642,200			
1964	Catch	1,514,600	1,190,700	2,705,300	18,000	17,000	35,000
	Escapement	902,400	534,000	1,436,400			
	Total	2,417,000	1,724,700	4,141,700			
1965	Catch	2,331,400	474,700	2,806,100	43,000	35,000	78,000
	Escapement	789,900	245,500	1,035,400			
	Total	3,121,300	720,200	3,841,500			
1966	Catch	220,300	68,500	288,800	15,000	2,000	17,000
	Escapement	627,400	92,000	719,400			
	Total	847,700	160,500	1,008,200			
1967	Catch	53,100	4,200	57,300	11,000	10,000	21,000
	Escapement	327,300	118,200	445,500			
	Total	380,400	122,400	502,800			
1968	Catch	863,300	277,800	1,141,100	34,000	112,000	146,000
	Escapement	528,100	295,200	823,300			
	Total	1,391,400	573,000	1,964,400			
1969	Catch	862,800	265,300	1,128,100	68,000	23,000	91,000
	Escapement	1,906,200	568,700	2,474,900			
	Total	2,769,000	834,000	3,603,000			
1970	Catch	1,378,374	252,030	1,630,404	87,717	19,725	107,442
	Escapement	1,007,900	291,000	1,298,900			
	Total	2,386,274	543,030	2,929,304			
1971	Catch	1,211,943	211,585	1,423,528	11,608	7,632	19,240
	Escapement	488,000	214,700	702,700			
	Total	1,699,943	426,285	2,126,228			

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Table 79. (page 2 of 4)

Year		Not including June Migrants			June Migrants		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts	South Peninsula Totals	South Unimak	Shumagins	
1972	Catch	53,312	6,958	60,270	11,906	6,018	17,924
	Escapement	81,800	29,600	111,400			
	Total	135,112	36,558	171,670			
1973	Catch	36,427	2,073	38,500	11,152	8,278	19,430
	Escapement	85,700	25,100	110,800			
	Total	122,127	27,173	149,300			
1974	Catch	95,529	4,650	100,179	0	0	0
	Escapement	238,600	45,800	284,400			
	Total	334,129	50,450	384,579			
1975	Catch	30,052	25,343	55,395	3,205	2,042	5,247
	Escapement	357,800	194,300	552,100			
	Total	387,852	219,643	607,495			
1976	Catch	2,035,814	306,786	2,342,600	18,259	5,643	23,902
	Escapement	1,084,000	372,400	1,456,400			
	Total	3,119,814	679,186	3,799,000			
1977	Catch	1,163,500	279,745	1,443,245	3,397	2,001	5,398
	Escapement	2,168,500	509,300	2,677,800			
	Total	3,332,000	789,045	4,121,045			
1978	Catch	4,167,852	1,332,325	5,500,177	47,380	42,562	89,942
	Escapement	1,966,300	892,400	2,858,700			
	Total	6,134,152	2,224,725	8,358,877			
1979	Catch	4,839,031	1,570,553	6,409,584	49,000	105,813	154,813
	Escapement	2,125,100	504,400	2,629,500			
	Total	6,964,131	2,074,953	9,039,084			
1980	Catch	3,732,127	2,603,032	6,335,159	1,140,611	385,695	1,526,306
	Escapement	1,410,400	1,231,200	2,641,600			
	Total	5,142,527	3,834,232	8,976,759			
1981	Catch	3,950,473	631,170	4,581,643	325,004	126,248	451,252
	Escapement	1,875,000	431,800	2,306,800			
	Total	5,825,473	1,062,970	6,888,443			

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Table 79. (page 3 of 4)

Year		Not including June Migrants			June Migrants		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts	South Peninsula Totals	South Unimak	Shumagins	
1982	Catch	4,104,934	911,131	5,016,065	1,032,154	681,214	1,713,368
	Escapement	1,533,200	759,800	2,293,000			
	Total	5,638,134	1,670,931	7,309,065			
1983	Catch	2,245,429	526,315	2,771,744	40,441	15,434	55,875
	Escapement	639,200	212,000	851,200			
	Total	2,884,629	738,315	3,622,944			
1984	Catch	6,532,654	4,136,235	10,668,889	470,688	449,188	919,876
	Escapement	2,526,700	1,824,900	3,811,600			
	Total	8,519,354	5,961,135	14,480,489			
1985	Catch	3,323,535	1,000,350	4,323,885	69,811	36,804	106,615
	Escapement	1,229,300	384,500	1,614,100			
	Total	4,553,135	1,384,850	5,937,985			
1986	Catch	3,066,556	672,867	3,739,423	150,674	141,315	291,989
	Escapement	1,185,500	531,200	1,716,700			
	Total	4,252,056	1,204,067	5,456,123			
1987	Catch	1,143,374	48,138	1,191,512	11,342	5,640	16,982
	Escapement	1,304,400	236,100	1,540,500			
	Total	2,447,774	284,238	2,732,012			
1988	Catch	4,700,486	2,164,114	6,864,600	86,678	93,546	180,224
	Escapement	1,636,500	1,203,100	2,839,600			
	Total	6,336,986	3,367,214	9,704,200			
1989	Catch	5,582,274	1,507,621	7,089,895	154,168	45,067	199,235
	Escapement	1,179,300	691,600	1,870,900			
	Total	6,761,574	2,199,221	8,960,795			
1990	Catch	1,738,743	607,300	2,346,043	444,442	70,798	515,240
	Escapement	1,018,200	580,200	1,598,400			
	Total	2,756,943	1,187,500	3,944,443			
1991	Catch	7,549,853	2,427,570	9,977,423	500,922	118,215	619,137
	Escapement	2,268,400	678,400	2,946,800			
	Total	9,818,253	3,105,970	12,924,223			

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Table 79. (page 4 of 4)

Year		<u>Not including June Migrants</u>		South Peninsula Totals	<u>June Migrants</u>		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts		South Unimak	Shumagins	
1992	Catch	4,860,628	4,256,851	9,117,479	501,127	140,963	642,090
	Escapement	1,781,000	1,053,400	2,834,400			
	Total	6,641,628	5,310,251	11,951,879			
1993	Catch	7,493,472	2,353,200	9,843,962	37,735	43,401	81,136
	Escapement	2,232,200	757,900	2,990,140			
	Total	9,725,712	3,111,100	12,834,102			
1994	Catch	3,149,763	3,501,426	6,651,189	1,731,741	760,773	2,492,514
	Escapement	1,700,525	1,371,200	3,073,225			
	Total	4,850,288	4,872,626	9,724,414			

Note: Numbers of salmon do not include test fish harvests.

Table 80. South Peninsula chum salmon runs, 1962-94.

Year		<u>Not including June Migrants</u>		South Peninsula Totals	<u>June Migrants</u>		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts		South Unimak	Shumagins	
1962	Catch	409,500	155,300	564,800	199,000	61,000	260,000
	Escapement	238,600	160,800	399,400			
	Total	648,100	316,100	964,200			
1963	Catch	278,000	80,300	358,300	67,000	36,000	103,000
	Escapement	263,000	183,700	446,700			
	Total	541,000	264,000	805,000			
1964	Catch	378,800	153,300	532,100	153,000	67,000	220,000
	Escapement	160,800	294,000	454,800			
	Total	539,600	447,300	986,900			
1965	Catch	221,700	150,700	372,400	139,000	45,000	184,000
	Escapement	203,300	24,200	228,000			
	Total	425,000	175,400	600,400			
1966	Catch	221,400	36,000	257,400	220,000	17,000	237,000
	Escapement	354,800	67,200	422,000			
	Total	576,800	103,200	679,400			
1967	Catch	118,700	4,500	123,200	71,000	51,000	122,000
	Escapement	132,800	50,100	182,900			
	Total	251,500	54,600	306,100			
1968	Catch	121,400	47,600	169,000	105,000	51,000	156,000
	Escapement	191,700	87,400	279,100			
	Total	313,100	135,000	448,100			
1969	Catch	95,100	43,300	138,400	238,000	13,000	251,000
	Escapement	96,900	37,700	134,600			
	Total	192,000	81,000	273,000			
1970	Catch	485,444	65,254	550,698	397,003	44,896	441,899
	Escapement	171,700	108,800	280,500			
	Total	657,144	174,054	831,198			
1971	Catch	646,351	209,565	855,916	405,311	103,886	509,197
	Escapement	199,100	144,100	343,200			
	Total	845,451	353,665	1,199,116			

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Table 80. (page 2 of 4)

Year		Not including June Migrants		South Peninsula Totals	June Migrants		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts		South Unimak	Shumagins	
1972	Catch	150,784	61,721	212,505	411,019	107,810	518,829
	Escapement	145,000	109,500	254,500			
	Total	295,784	171,221	467,005			
1973	Catch	79,369	12,441	91,810	177,720	22,910	200,630
	Escapement	130,900	81,600	212,500			
	Total	210,269	94,041	304,310			
1974	Catch	56,113	15,317	71,430	0	0	0
	Escapement	169,800	87,500	257,300			
	Total	225,913	102,817	328,730			
1975	Catch	29,419	509	29,928	65,279	35,542	100,821
	Escapement	160,200	33,100	193,300			
	Total	189,619	33,609	223,228			
1976	Catch	106,368	14,914	121,282	336,238	74,109	410,347
	Escapement	225,300	101,900	327,200			
	Total	331,668	116,814	448,482			
1977	Catch	109,132	17,630	126,762	94,215	21,899	116,114
	Escapement	500,900	274,000	774,900			
	Total	610,032	291,630	901,662			
1978	Catch	340,319	83,213	423,532	103,429	18,479	121,908
	Escapement	386,200	214,300	600,500			
	Total	726,519	297,513	1,024,032			
1979	Catch	280,286	98,426	378,712	63,153	40,953	104,106
	Escapement	302,700	108,400	411,100			
	Total	582,986	206,826	789,812			
1980	Catch	674,847	169,141	843,988	458,499	50,366	508,865
	Escapement	241,600	120,800	362,400			
	Total	916,447	289,941	1,206,388			
1981	Catch	961,456	239,998	1,201,454	509,911	54,071	563,982
	Escapement	234,500	146,800	381,300			
	Total	1,195,956	386,798	1,582,754			

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Table 80. (page 3 of 4)

Year		Not including June Migrants			June Migrants		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts	South Peninsula Totals	South Unimak	Shumagins	
1982	Catch	915,847	255,661	1,171,508	933,728	164,975	1,098,703
	Escapement	203,000	183,900	386,900			
	Total	1,118,847	439,561	1,558,408			
1983	Catch	596,053	321,145	917,198	616,390	169,277	785,667
	Escapement	328,900	117,600	446,500			
	Total	924,953	438,745	1,363,698			
1984	Catch	827,717	484,630	1,312,347	227,913	109,207	337,120
	Escapement	446,000	253,700	699,700			
	Total	1,273,717	738,330	2,012,047			
1985	Catch	536,748	375,832	912,580	324,825	109,004	433,829
	Escapement	284,700	218,800	503,500			
	Total	821,448	594,632	1,416,080			
1986	Catch	977,635	416,697	1,394,332	252,721	99,148	351,769
	Escapement	239,600	305,000	544,600			
	Total	1,217,235	721,697	1,938,932			
1987	Catch	750,282	179,500	929,782	406,077	37,064	443,141
	Escapement	329,200	291,500	620,700			
	Total	1,079,482	471,000	1,550,482			
1988	Catch	829,518	552,278	1,381,796	464,765	61,946	526,711
	Escapement	269,100	227,300	496,400			
	Total	1,098,618	779,578	1,878,196			
1989	Catch	421,254	116,923	538,177	407,635	47,528	455,163
	Escapement	189,200	121,300	310,500			
	Total	610,454	238,223	848,677			
1990	Catch	563,642	152,298	715,940	455,238	63,501	518,739
	Escapement	210,900	143,800	354,700			
	Total	774,542	296,098	1,070,640			
1991	Catch	571,802	226,088	797,890	670,409	102,602	773,011
	Escapement	345,400	242,200	587,600			
	Total	917,202	468,288	1,385,490			

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Table 80. (page 4 of 4)

Year		Not including June Migrants			June Migrants		Total June Migrants
		Southeastern and South Central Districts	Southwestern and Unimak Districts	South Peninsula Totals	South Unimak	Shumagins	
1992	Catch	592,893	287,173	880,066	323,891	102,312	426,203
	Escapement	194,100	141,400	335,500			
	Total	786,993	428,573	1,215,566			
1993	Catch	331,003	182,576	513,579	381,941	150,306	532,247
	Escapement	172,400	224,630	397,030			
	Total	503,403	407,206	910,609			
1994	Catch	690,666	902,924	1,593,590	374,409	207,756	582,165
	Escapement	211,700	367,400	579,100			
	Total	902,366	1,270,324	2,172,690			

Note: Numbers of salmon do not include test fish harvests.



Table 81. South Peninsula total estimated escapement by species and district, 1986-94.

Year	Number of Salmon			
	Sockeye	Coho <sup>a</sup>	Pink	Chum
<b>Southeastern</b>				
1986	29,469	0	639,915	130,816
1987	25,575	0	692,037	154,207
1988	24,377	7,032	1,301,149	90,397
1989	24,075	10,080	563,105	103,997
1990	21,925	47,448	583,225	125,813
1991	44,093	1,140	1,300,794	276,545
1992	27,375	650	1,252,660	224,399
1993	26,373	1,128	1,499,563	40,632
1994	44,800	1,260	1,073,218	69,291
1986-93 Average	27,908	8,435	979,056	143,351
<b>South Central</b>				
1986	8,475	0	846,182	105,774
1987	4,363	1,680	790,420	169,267
1988	5,500	2,640	1,275,564	225,623
1989	3,188	6,960	735,222	94,107
1990	3,468	19,320	694,967	137,082
1991	6,450	0	1,712,655	170,262
1992	4,163	0	741,846	138,482
1993	11,250	0	1,775,279	211,293
1994	6,750	120	1,357,783	216,690
1986-93 Average	5,857	3,825	1,071,517	156,486
<b>Southwestern</b>				
1986	47,540	3,840	573,457	331,477
1987	50,650	960	260,099	327,910
1988	55,620	10,320	1,591,960	271,446
1989	67,820	20,693	698,103	144,034
1990	74,040	56,448	724,248	181,897
1991	102,600	1,560	757,897	278,929
1992	88,880	41,040	1,466,610	162,923
1993	69,472	15,480	1,131,498	300,251
1994	50,660	33,360	1,942,314	403,233
1986-93 Average	69,578	18,793	900,484	249,858

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Table 81. (page 2 of 2)

Year	Number of Salmon			
	Sockeye	Coho <sup>a</sup>	Pink	Chum
<b>Unimak</b>				
1986	9,840	12	13,267	400
1987	0	0	300	493
1988	0	0	26,987	1,313
1989	0	0	616	321
1990	14,800	960	19,540	710
1991	0	0	5,620	540
1992	0	0	27,360	170
1993	0	0	3,034	1,070
1994	0	0	49,290	1,190
1986-93 Average	3,080	122	12,091	627
<b>South Peninsula</b>				
1986	95,324	3,852	2,072,821	568,467
1987	80,588	2,640	1,742,856	651,877
1988	85,497	19,992	4,195,660	588,779
1989	95,083	37,733	1,997,046	342,459
1990	114,233	124,176	2,021,975	445,502
1991	153,143	2,700	3,776,966	726,276
1992	120,418	41,690	3,488,476	525,974
1993	107,095	16,608	4,409,373	553,246
1994	102,210	34,740	4,422,605	690,404
1986-93 Average	106,423	31,174	2,963,147	550,323

<sup>a</sup> Coho escapement data for 1986, 1987, 1988, 1989, 1991, 1992, 1993, and 1994 are based on limited surveys.

Table 82. Southeastern District Mainland sockeye salmon harvest by gear, through July 25, 1970-94.<sup>a</sup>

Year	Catch by Gear				Total Catch
	Set Net		Purse Seine		
	Number	Percent	Number	Percent	
1970	80,692	95.4	3,904	4.6	84,596
1971	60,767	95.9	2,587	4.1	63,354
1972	19,491	92.4	1,614	7.6	21,105
1973	46,141	97.9	976	2.1	47,117
1974	66,101	74.9	22,129	25.1	88,230
1975	1,807	57.3	1,349	42.7	3,156
1976	52,414	90.2	5,712	9.8	58,126
1977	30,658	70.5	12,827	29.5	43,485
1978	28,930	92.7	2,267	7.3	31,197
1979	77,604	87.5	11,136	12.5	88,740
1980	89,743	93.0	6,729	7.0	96,472
1981	181,698	90.1	20,013	9.9	201,711
1982	79,442	91.5	7,351	8.5	86,793
1983	213,051	71.0	87,107	29.0	300,158
1984	567,043	95.3	28,000	4.7	595,043
1985	78,347	96.8	2,610	3.2	80,957
1986	196,545	95.2	9,987	4.8	206,532
1987	244,413	99.8	482	0.2	244,895
1988	77,204	95.1	3,956	4.9	81,160
1989	46,977	52.7	42,247	47.3	89,224
1990	85,368	52.0	78,660	48.0	164,028
1991	275,768	95.2	13,959	4.8	289,727
1992	214,638	99.6	806	0.4	215,444
1993	186,656	88.5	24,271	11.5	210,927
1994	221,657	100.0	0	0.0	221,657
Averages					
1974-93	139,720	88.0	19,080	12.0	158,800
1984-93	197,296	90.6	20,498	9.4	217,794

<sup>a</sup> Only set gillnet gear is allowed prior to July 10 since 1978 season.

Table 83. Chignik sockeye salmon contribution to the Southeastern District Mainland harvest, by gear, through July 25, 1970-94.<sup>a</sup>

Year	Catch by Gear				Total Catch
	Set Net		Purse Seine		
	Number	Percent	Number	Percent	
1970	63,688	94.2	3,894	5.8	67,582
1971	48,575	95.9	2,066	4.1	50,641
1972	15,593	92.4	1,291	7.6	16,884
1973	36,870	98.0	743	2.0	37,613
1974	52,798	81.8	11,766	18.2	64,564
1975	1,126	51.1	1,079	48.9	2,205
1976	40,399	93.2	2,957	6.8	43,356
1977	23,924	76.0	7,574	24.0	31,498
1978	20,174	91.9	1,778	8.1	21,952
1979	50,610	91.4	4,742	8.6	55,352
1980	58,190	91.5	5,380	8.5	63,570
1981	106,811	87.6	15,059	12.4	121,870
1982	57,646	91.8	5,121	8.2	62,767
1983	157,831	69.4	69,561	30.6	227,392
1984	404,738	95.7	18,330	4.3	423,068
1985	49,523	96.3	1,898	3.7	51,421
1986	110,572	93.7	7,434	6.3	118,006
1987	146,636	99.8	250	0.2	146,886
1988	16,465	85.2	2,855	14.8	19,320
1989	4,371	97.5	114	2.5	4,485
1990	65,671	51.1	62,928	48.9	128,599
1991	152,454	99.8	260	0.2	152,714
1992	93,564	99.7	281	0.3	93,845
1993	109,119	84.9	19,417	15.1	128,536
1994	142,350	100.0	0	0.0	142,350
Averages					
1974-93	86,131	87.8	11,939	12.2	98,070
1984-93	115,311	91.0	11,377	9.0	126,688

<sup>a</sup> From 1970-91, the Chignik contribution is 80% of the sockeye salmon harvested in Beaver Bay, Balboa Bay, Southwest Stepovak, Stepovak Flats and East Stepovak Sections.

From 1992-94, the Chignik contribution is 80% of the sockeye salmon harvested in the Southeastern District Mainland fishery except Orzinski Bay where 100% of the sockeye salmon are considered local production.

Table 84. Harvest of Chignik bound sockeye salmon in the Chignik, Cape Igvak, and Southeastern District Mainland Areas<sup>a</sup> from 1964-94.

Year	Chignik Area		Cape Igvak		Southeastern District Mainland Area		Total
	Catch	Percent	Catch	Percent	Catch	Percent	
1964 <sup>b</sup>	556,890	90.57	14,980	2.44	43,021	7.00	614,891
1965	599,553	89.94	11,021	1.65	56,020	8.40	666,594
1966	219,794	87.99	18,003	7.21	12,011	4.81	249,808
1967	462,000	91.48	23,014	4.56	20,021	3.96	505,035
1968	977,382	82.53	135,951	11.48	70,959	5.99	1,184,292
1969	394,135	78.96	97,982	19.63	7,013	1.41	499,130
1970 <sup>c</sup>	1,325,734	72.51	434,394	23.76	68,181	3.73	1,828,309
1971	1,016,136	80.33	197,614	15.62	51,272	4.05	1,265,022
1972	378,218	87.99	33,865	7.88	17,752	4.13	429,815

1964-72 catch and percentage figures are total for the entire season. Catch figures and percentages after 1972 are only through July 25.

1973 <sup>d</sup>	769,258	89.01	57,348	6.64	37,613	4.35	864,219
1974	530,278	73.97	122,071	17.03	64,564	9.01	716,913
1975	115,984	81.78	23,635	16.67	2,205	1.55	141,824
1976	792,024	83.08	117,926	12.37	43,356	4.55	953,306
1977	1,547,285	90.61	128,852	7.55	31,498	1.84	1,707,635
1978 <sup>e, f</sup>	1,454,389	85.38	227,014	13.33	21,952	1.29	1,703,355
1979 <sup>g</sup>	794,504	91.98	13,950	1.61	55,352	6.41	863,806
1980	670,001	91.33	32	0.00	63,570	8.67	733,603
1981	1,606,300	79.88	282,727	14.06	121,870	6.06	2,010,897
1982	1,250,768	84.46	167,401	11.30	62,767	4.24	1,480,936
1983	1,450,832	72.68	318,048	15.93	227,392	11.39	1,996,272
1984	2,474,405	73.93	449,372	13.43	423,068	12.64	3,346,845
1985 <sup>h</sup>	696,169	79.91	123,627	14.19	51,421	5.90	871,217
1986	1,456,729	82.64	188,017	10.67	118,006	6.69	1,762,752
1987	1,659,915	77.98	321,746	15.12	146,886	6.90	2,128,547
1988	678,912	95.70	11,218	1.58	19,320	2.72	709,450
1989	502,477	99.12	0	0.00	4,485	0.88	506,962
1990	1,211,097	83.67	107,706	7.44	128,599	8.88	1,447,402
1991 <sup>i</sup>	1,966,986	80.48	324,329	13.27	152,714	6.25	2,444,029
1992 <sup>j</sup>	1,066,732	81.25	152,358	11.60	93,845	7.15	1,312,935
1993	1,500,459	77.78	300,055	15.55	128,536	6.63	1,929,050
1994 <sup>k</sup>	1,641,574	80.70	250,230	12.30	142,350	7.00	2,034,154

<sup>a</sup> The Cape Igvak and Southeastern District Mainland figures represent 80% of the total sockeye catches for those areas as it is estimated that roughly 80% of the sockeye caught in the Cape Igvak section and Southeast District Mainland Area (excluding sockeye caught in Northwest Stepovak Section from 1964-1991 and in Orzinski bay in 1992) are destined for Chignik.

<sup>b</sup> The data from 1964-1972 are based on total yearly catches. Prior to 1973, Cape Igvak and Southeastern District Mainland fisheries were set by regulation to weekly fishing periods, usually 5 days per week. Time modifications were implemented when poor escapements occurred at Chignik.

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Table 84. (page 2 of 2)

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- <sup>c</sup> Catches (1970-1992) were updated using historical electronic fish ticket databases.
- <sup>d</sup> During 1973 through 1977 all three fisheries were managed on a day by day basis.
- <sup>e</sup> From 1978-1991, the Cape Igvak Fishery Management Plan allocated 15 percent of the total sockeye catch destined for Chignik.
- <sup>f</sup> During 1978, seining prior to July 11 was disallowed in the Southeastern District Mainland. The set gillnet fishery was allowed to fish 3 days per week through July 10 after which the fishery was managed on the basis of local stocks.
- <sup>g</sup> During 1979-1984 and prior to July 11, fishing was allowed 5 days per week in the Southeastern District Mainland Area with a ceiling of an estimated 60,000 sockeye destined for Chignik. If the Chignik Area sockeye catch was 1,000,000 or more before July 11, the 60,000 ceiling was to be dropped.
- <sup>h</sup> Beginning in 1985, Southeastern District Mainland Area (excluding the Northwest Stepovak Section from 1964-1991 and Orzinski Bay statistical area) was placed on an allocation of 6.2 percent of the total estimated Chignik sockeye catch through July 25. After July 25, the Southeastern District Mainland is managed on a local stock basis. The allocation changed to 6.0 percent beginning in 1988. Seining is still not allowed prior to July 11.
- <sup>i</sup> Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area seiners' boycott (Jun 23-Jul 4).
- <sup>j</sup> Review of Orzinski Lake historical and current escapement records led the Alaska Board of Fisheries to redefine the Southeastern District Mainland Management Plan. Beginning in 1992, the Southeastern District Mainland fishery (excluding Orzinski Bay) was placed on an allocation of 7.0 percent of the total estimated Chignik sockeye catch through July 25.
- <sup>k</sup> Includes overescapement of 208,921 sockeye counted past the weir during the Chignik Area seiners' strike (Jun 22-Jun 25).
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Table 85. Total Chignik Management Area and 80 percent of the sockeye harvest in the Cape Igvak and Southeastern District Mainland Areas, 1964-94<sup>a</sup>

Year	Harvest To July 25 Only				Harvest For Entire Season			
	Chignik	Cape Igvak	Southeastern Mainland	Total	Chignik	Cape Igvak	Southeastern Mainland	Total
1964	-	-	-	-	556,890	14,980	43,021	614,891
1965	-	-	-	-	599,553	11,021	56,020	666,594
1966	-	-	-	-	219,794	18,003	12,011	249,808
1967	-	-	-	-	462,000	23,014	20,021	505,035
1968	-	-	-	-	977,382	135,951	70,959	1,184,292
1969	-	-	-	-	394,135	97,982	7,013	499,130
1970	-	-	-	-	1,325,734	434,394	68,181	1,828,309
1971	-	-	-	-	1,016,136	197,614	51,272	1,265,022
1972	-	-	-	-	378,218	33,865	17,752	429,835
1973	769,258	57,348	37,613	864,219	870,354	57,348	38,266	965,968
1974	530,278	122,071	64,564	716,913	662,905	122,071	65,514	850,490
1975	115,984	23,635	2,205	141,824	399,593	23,635	2,205	425,433
1976	792,024	117,926	43,356	953,306	1,163,728	117,978	44,781	1,326,487
1977	1,547,285	128,852	31,498	1,707,635	1,972,207	128,852	35,401	2,136,460
1978	1,454,389	227,014	21,952	1,703,355	1,576,283	227,052	23,990	1,825,325
1979	794,504	13,950	55,352	863,806	1,049,497	20,436	82,153	1,152,086
1980	670,001	32	63,570	733,603	859,966	631	88,046	948,643
1981	1,606,300	282,727	121,870	2,010,897	1,839,469	284,211	166,034	2,289,714
1982	1,250,768	167,401	62,767	1,480,936	1,521,686	168,295	86,849	1,776,830
1983	1,450,832	318,048	227,392	1,996,272	1,824,175	323,004	297,429	2,444,608
1984	2,474,405	449,372	423,068	3,346,845	2,660,619	450,066	487,938	3,598,623
1985	696,169	123,627	51,421	871,217	922,151	125,134	93,206	1,140,491
1986	1,456,729	188,017	118,006	1,762,752	1,645,834	188,129	147,056	1,981,019
1987	1,659,915	321,746	146,886	2,128,547	1,898,838	344,357	188,983	2,432,178
1988	678,912	11,218	19,320	709,450	795,841	28,783	79,101	903,725
1989	502,477	-	4,485	506,962	1,159,287	-	138,594	1,297,881
1990	1,211,097	107,706	128,599	1,447,402	2,093,650	133,821	216,944	2,444,415
1991 <sup>b</sup>	1,966,986	324,329	152,714	2,444,029	2,173,970	341,869	228,934	2,744,773
1992	1,066,732	152,358	93,845	1,312,935	1,277,449	156,318	177,713	1,611,480
1993	1,500,459	300,055	128,536	1,929,050	1,697,351	329,905	222,591	2,249,847
1994 <sup>c</sup>	1,641,574	250,230	142,350	2,034,154	1,827,894	257,830	226,562	2,312,286

<sup>a</sup> Catches (1970-1992) were updated using historical electronic fish ticket databases.

<sup>b</sup> Includes overescapement of 278,305 sockeye counted past the weir during the Chignik Area Seiners' boycott (June 23 - July 4).

<sup>c</sup> Includes overescapement of 208,921 sockeye counted past the weir during the Chignik Area Seiners' strike (June 22 - Jun 25).

Table 86. Southeastern District Mainland fishery, annual CFEC permits and number of landings by gear type, 1970-94.

Year	Purse Seine		Set Gillnet		Total	
	Permits	Landings	Permits	Landings	Permits	Landings
1970	35	127	17	273	46	411
1971	41	216	15	269	48	485
1972	24	43	15	167	34	210
1973	13	22	16	167	24	189
1974	20	100	31	262	42	362
1975	6	11	7	14	13	25
1976	44	167	19	174	62	341
1977	34	136	21	190	54	326
1978	45	196	23	235	68	431
1979	49	247	33	437	82	684
1980	40	143	31	598	69	741
1981	50	365	35	923	87	1,288
1982	48	343	41	1,167	89	1,510
1983	49	260	43	1,259	92	1,519
1984	55	292	57	2,171	112	2,463
1985	42	245	49	864	91	1,109
1986	42	150	47	927	89	1,077
1987	49	160	55	942	104	1,102
1988	55	254	49	784	104	1,038
1989	75	428	48	832	123	1,260
1990	74	228	58	683	132	911
1991	70	348	63	1,352	133	1,700
1992	59	178	60	1,267	119	1,445
1993	62	363	65	1,401	127	1,764
1994	61	106	61	1,302	122	1,408
1974-93 Average						
	48	231	42	824	90	1,055
1984-93 Average						
	58	265	55	1,122	113	1,387



Table 87. Southeastern District Mainland sockeye salmon catch, by gear, for the entire season, 1970-94<sup>a</sup>.

Year	Catch by Gear				Total Catch
	Set Net		Purse Seine		
	Number	Percent	Number	Percent	
1970	81,259	95.1	4,158	4.9	85,417
1971	61,037	95.1	3,141	4.9	64,178
1972	19,957	89.9	2,233	10.1	22,190
1973	46,586	97.2	1,346	2.8	47,932
1974	66,200	74.0	23,219	26.0	89,419
1975	1,807	57.3	1,349	42.7	3,156
1976	54,190	90.4	5,725	9.6	59,915
1977	35,410	73.1	13,053	26.9	48,463
1978	30,229	87.1	4,462	12.9	34,691
1979	89,863	71.2	36,270	28.8	126,133
1980	115,978	89.0	14,344	11.0	130,322
1981	226,820	87.4	32,719	12.6	259,539
1982	109,867	93.1	8,165	6.9	118,032
1983	284,735	72.2	109,489	27.8	394,224
1984	617,011	90.7	63,634	9.3	680,645
1985	119,672	86.8	18,219	13.2	137,891
1986	224,333	91.4	21,178	8.6	245,511
1987	290,042	96.9	9,421	3.1	299,463
1988	125,509	79.2	32,865	20.8	158,374
1989	151,745	53.8	130,549	46.2	282,294
1990	158,065	57.0	119,395	43.0	277,460
1991	336,238	84.8	60,417	15.2	396,655
1992	283,927	86.8	43,267	13.2	327,194
1993	271,750	82.1	59,265	17.9	331,015
1994	305,447	92.5	24,832	7.5	330,279
1974-93 Average					
	179,670	81.7	40,350	18.3	220,020
1984-93 Average					
	257,829	82.2	55,821	17.8	313,650

<sup>a</sup> Set gillnet gear only prior to July 10 since 1978 season. Assumes the same ratio of Chignik bound sockeye during July 26 through the end of the season as found prior to July 26.

Table 88. Estimated Orzinski sockeye salmon runs and total Southeastern District Mainland sockeye salmon harvest, in numbers of salmon, 1935-94.

Year	Escapement	Orzinski and American Bay Catch	Balance of Suzy Creek Dent Point Catch	Total Suzy Creek Dent Point Catch	Total Orzinski Run	Total Southeastern Mainland Catch
1935 <sup>a</sup>	28,474					
1936 <sup>a</sup>	31,720					
1937 <sup>a</sup>	15,393					
1938 <sup>a,b</sup>	8,675					
1939 <sup>a</sup>	10,414					
1940 <sup>a</sup>	16,414					
1941 <sup>a</sup>	8,241					
1981	18,000 <sup>c</sup>	19,385	32,612	51,997	69,997 <sup>e</sup>	259,539
1982	9,000 <sup>c</sup>	6,079	3,392	9,471	18,471 <sup>e</sup>	118,032
1983	21,300 <sup>c</sup>	10,814	11,624	22,438	43,738 <sup>e</sup>	394,224
1984	18,600 <sup>c</sup>	18,603	52,119	70,722	89,322 <sup>e</sup>	680,645
1985	14,000 <sup>c</sup>	5,061	16,322	21,383	35,383 <sup>e</sup>	137,891
1986	10,300 <sup>c</sup>	12,455	49,236	61,691	71,991 <sup>e</sup>	245,511
1987	11,400 <sup>c</sup>	14,463	48,771	63,234	74,634 <sup>e</sup>	299,463
1988	19,300 <sup>c</sup>	14,462	45,036	59,498	78,798 <sup>e</sup>	158,374
1989	16,700 <sup>c</sup>	18,476	90,576	109,052	125,752 <sup>e</sup>	282,294
1990	15,000 <sup>d</sup>	1,257	5,023	6,280	21,280 <sup>e</sup>	277,460
1991	40,000 <sup>d</sup>	50,496	59,991	110,487	150,487 <sup>e</sup>	396,655
1992	25,000 <sup>d</sup>	105,050 <sup>e</sup>	23,539	128,589	130,050 <sup>g</sup>	327,194
1993	24,717 <sup>d</sup>	52,776 <sup>e</sup>	37,894	90,670	77,493 <sup>g</sup>	331,015
1994	38,000 <sup>d</sup>	47,077 <sup>e</sup>	60,628	107,705	85,077 <sup>g</sup>	330,279

<sup>a</sup> Weir was used to count escapement.

<sup>b</sup> In 1938, adverse weather conditions may have caused only part of the run to be counted.

<sup>c</sup> Escapement counts are indexed total escapements and are likely lower than the actual total.

<sup>d</sup> Escapement count is the sum of weir counts plus aerial surveys conducted after the weir was removed.

<sup>e</sup> Catch number is for Orzinski Bay only.

<sup>f</sup> The total Orzinski run is escapement plus total Suzy Creek to Dent Point catch.

<sup>g</sup> The total Orzinski run is escapement plus Orzinski Bay catch.

Table 89. Sockeye salmon daily and cumulative escapement counts through the Orzinski Lake weir, 1994.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
June 10-17	0	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
18	8	0	8	8	0	8	0.0	0.0	0.0	0.0	0.0
19	4	0	4	12	0	12	0.0	0.0	0.0	0.0	0.0
20	0	0	0	12	0	12	0.0	0.0	0.0	0.0	0.0
21	18	0	18	30	0	30	0.0	0.0	0.1	0.0	0.1
22	0	0	0	30	0	30	0.0	0.0	0.1	0.0	0.1
23	34	0	34	64	0	64	0.1	0.0	0.2	0.0	0.2
24	10	1	11	74	1	75	0.0	0.0	0.2	0.0	0.2
25	245	2	247	319	3	322	0.6	0.0	0.8	0.0	0.8
26	31	0	31	350	3	353	0.1	0.0	0.9	0.0	0.9
27	143	3	146	493	6	499	0.4	0.0	1.3	0.0	1.3
28	10	0	10	503	6	509	0.0	0.0	1.3	0.0	1.3
29	7	0	7	510	6	516	0.0	0.0	1.3	0.0	1.4
30	0	0	0	510	6	516	0.0	0.0	1.3	0.0	1.4
July 1	257	12	269	767	18	785	0.7	0.0	2.0	0.0	2.1
2	25	1	26	792	19	811	0.1	0.0	2.1	0.1	2.1
3	46	7	53	838	26	864	0.1	0.0	2.2	0.1	2.3
4	11	6	17	849	32	881	0.0	0.0	2.2	0.1	2.3
5	5	2	7	854	34	888	0.0	0.0	2.2	0.1	2.3
6	104	4	108	958	38	996	0.3	0.0	2.5	0.1	2.6
7	210	7	217	1,168	45	1,213	0.6	0.0	3.1	0.1	3.2
8	309	22	331	1,477	67	1,544	0.8	0.1	3.9	0.2	4.1
9	5,973	230	6,203	7,450	297	7,747	15.7	0.6	19.6	0.8	20.4
10	2,334	148	2,482	9,784	445	10,229	6.1	0.4	25.7	1.2	26.9
11	3,065	160	3,225	12,849	605	13,454	8.1	0.4	33.8	1.6	35.4
12	295	35	330	13,144	640	13,784	0.8	0.1	34.6	1.7	36.3
13	471	23	494	13,615	663	14,278	1.2	0.1	35.8	1.7	37.6
14	868	35	903	14,483	698	15,181	2.3	0.1	38.1	1.8	40.0
15	2,230	185	2,415	16,713	883	17,596	5.9	0.5	44.0	2.3	46.3
16	2,649	146	2,795	19,362	1,029	20,391	7.0	0.4	51.0	2.7	53.7
17	2,195	138	2,333	21,557	1,167	22,724	5.8	0.4	56.7	3.1	59.8
18	943	85	1,028	22,500	1,252	23,752	2.5	0.2	59.2	3.3	62.5
19	1,797	114	1,911	24,297	1,366	25,663	4.7	0.3	63.9	3.6	67.5
20	1,612	67	1,679	25,909	1,433	27,342	4.2	0.2	68.2	3.8	72.0
21	1,426	72	1,498	27,335	1,505	28,840	3.8	0.2	71.9	4.0	75.9
22	512	40	552	27,847	1,545	29,392	1.3	0.1	73.3	4.1	77.3
23	1,228	84	1,312	29,075	1,629	30,704	3.2	0.2	76.5	4.3	80.8
24	965	86	1,051	30,040	1,715	31,755	2.5	0.2	79.1	4.5	83.6
25	0	0	0	30,040	1,715	31,755	0.0	0.0	79.1	4.5	83.6
26	1,686	160	1,846	31,726	1,875	33,601	4.4	0.4	83.5	4.9	88.4
27	399	27	426	32,125	1,902	34,027	1.1	0.1	84.5	5.0	89.5
28 <sup>a</sup>	497	16	513	32,622	1,918	34,540	1.3	0.0	85.8	5.0	90.9
Post July 28 <sup>b</sup>	3,209	251	3,460	35,831	2,169	38,000	8.4	0.7	94.3	5.7	100.0
Total	35,831	2,169	38,000	35,831	2,169	38,000	94.3	5.7	94.3	5.7	100.0

<sup>a</sup> July 28 was the last day fish were counted through Orzinski Lake weir.

<sup>b</sup> Post July 28 escapement was estimated from aerial surveys and July 22-28 adult to jack ratios.

Table 90. Southeastern District Mainland fishery, excluding Orzinski Bay, estimated sockeye interception of Chignik destined salmon, 1994.

Date		Total Catch	Chignik Contribution <sup>a</sup>	Cumulative Chignik Catch	Percent of Total
June	23 <sup>b</sup>	5,872	4,698	4,698	2.1
	24 <sup>b</sup>	23,859	19,087	23,785	8.4
	26 <sup>b</sup>	9,311	7,449	31,234	3.3
	27 <sup>b</sup>	27,356	21,885	53,118	9.7
	28 <sup>b</sup>	22,240	17,792	70,910	7.9
July	6 <sup>b</sup>	2,114	1,691	72,602	0.7
	9 <sup>b</sup>	40,410	32,328	104,930	14.3
	10 <sup>b</sup>	46,776	37,421	142,350 <sup>c</sup>	16.5
	26	26,653	21,322	163,673	9.4
	29	12,134	9,707	173,380	4.3
	30	11,748	9,398	182,778	4.1
	31	6,146	4,917	187,695	2.2
Aug	5	4,619	3,695	191,390	1.6
	6	9,500	7,600	198,990	3.4
	9	5,798	4,638	203,629	2.0
	10	6,202	4,962	208,590	2.2
Sept	11	3,612	2,890	211,480	1.3
	1	2,679	2,143	213,623	0.9
	2	4,657	3,726	217,349	1.6
	5	2,375	1,900	219,249	0.8
	6	3,784	3,027	222,276	1.3
	7	2,074	1,659	223,935	0.7
	8	2,105	1,684	225,619	0.7
	9	481	385	226,004	0.2
	12	38	30	226,034	0.0
	15	201	161	226,195	0.1
	21	272	218	226,413	0.1
	23	186	149	226,562	0.1
Total		283,202	226,562	226,562	100.0

<sup>a</sup> The Chignik contribution assumes 80% of the sockeye catch through the entire season in the Southeastern District Mainland fishery, exclusive of Orzinski Bay, is destined for Chignik.

<sup>b</sup> Set gillnet gear only is allowed prior to July 11.

<sup>c</sup> Catch through July 25, was 142,350 salmon (62.8%) of the season total Chignik destined sockeye salmon harvest.

Table 91. Orzinski Bay salmon harvest, all gear combined, season total by day, 1994.

Catch				Number of Salmon					
Month	Day	Permits	Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
July	11	11	12	1	1,685	7	45	13	1,751
	12	18	34	2	5,304	1	87	16	5,410
	13	19	27	2	5,012	0	151	8	5,173
	14	18	34	1	5,249	5	74	10	5,339
	15	11	12	0	1,289	6	37	2	1,334
	16	17	33	0	7,304	8	330	31	7,673
	17	17	28	0	3,909	1	403	14	4,327
	18	8	13	0	1,243	1	104	5	1,353
	19	9	16	0	1,969	2	204	6	2,181
	20	7	11	3	2,951	10	287	11	3,262
	21	7	14	4	2,161	31	419	21	2,636
	22	5	8	1	1,500	44	457	33	2,035
	23	6	13	4	2,126	83	693	55	2,961
	24	5	7	4	1,109	80	677	50	1,920
	25	5	9	0	908	90	423	33	1,454
	26	4	7	0	1,074	16	709	74	1,873
	27	7	8	0	534	23	408	34	999
	28	4	4	0	470	27	272	40	809
	29	1	1	1	289	0	191	8	489
	30	1	2	0	352	0	294	9	655
	31	1	1	0	33	0	60	45	138
Aug	5	3	3	0	163	99	292	95	649
	6	1	2	0	443	20	791	150	1,404
Through July 25									
		22	271	22	43,719	369	4,391	308	48,809
Total		22	299	23	47,077	554	7,408	763	55,825

\* Confidentiality requirements prohibit reporting harvest by day.

Table 92. Sockeye salmon daily and cumulative escapement counts through the Thin Point Lake weir, 1994.

Date	Daily			Cumulative			Daily Percent		Cumulative Percent		
	Adults	Jacks	Total	Adults	Jacks	Total	Adults	Jacks	Adults	Jacks	Total
July	14	0	0	0	0	0	0.0	0.0	0.0	0.0	0.0
	15	7	0	7	0	7	0.0	0.0	0.0	0.0	0.0
	16	13	0	13	0	20	0.1	0.0	0.1	0.0	0.1
	17	117	4	121	137	4	0.6	0.0	0.7	0.0	0.7
	18	132	2	134	269	6	0.7	0.0	1.4	0.0	1.4
	19	0	0	0	269	6	0.0	0.0	1.4	0.0	1.4
	20	4	0	4	273	6	0.0	0.0	1.4	0.0	1.4
	21	0	0	0	273	6	0.0	0.0	1.4	0.0	1.4
	22	7	0	7	280	6	0.0	0.0	1.4	0.0	1.5
	23	5	0	5	285	6	0.0	0.0	1.5	0.0	1.5
	24	4	0	4	289	6	0.0	0.0	1.5	0.0	1.5
	25	0	0	0	289	6	0.0	0.0	1.5	0.0	1.5
	26	37	1	38	326	7	0.2	0.0	1.7	0.0	1.7
	27	3	0	3	329	7	0.0	0.0	1.7	0.0	1.7
	28	4	0	4	333	7	0.0	0.0	1.7	0.0	1.7
	29	167	4	171	500	11	0.9	0.0	2.6	0.1	2.6
	30	51	0	51	551	11	0.3	0.0	2.8	0.1	2.9
	31	201	0	201	752	11	1.0	0.0	3.9	0.1	3.9
August	1	703	11	714	1,455	22	3.6	0.1	7.5	0.1	7.6
	2	162	0	162	1,617	22	0.8	0.0	8.3	0.1	8.4
	3	70	2	72	1,687	24	0.4	0.0	8.7	0.1	8.8
	4	1,516	32	1,548	3,203	56	7.8	0.2	16.5	0.3	16.8
	5	690	18	708	3,893	74	3.5	0.1	20.0	0.4	20.4
	6	119	20	139	4,012	94	0.6	0.1	20.6	0.5	21.1
	7	382	10	392	4,394	104	2.0	0.1	22.6	0.5	23.1
	8	316	15	331	4,710	119	1.6	0.1	24.2	0.6	24.8
	9	2,062	202	2,264	6,772	321	10.6	1.0	34.8	1.7	36.5
	10	2,210	91	2,301	8,982	412	11.4	0.5	46.2	2.1	48.3
	11	3,208	96	3,304	12,190	508	16.5	0.5	62.7	2.6	65.3
	12	573	22	595	12,763	530	2.9	0.1	65.6	2.7	68.3
	13	280	26	306	13,043	556	1.4	0.1	67.1	2.9	69.9
	14	11	0	11	13,054	556	0.1	0.0	67.1	2.9	70.0
	15	872	15	887	13,926	571	4.5	0.1	71.6	2.9	74.5
	16	158	10	168	14,084	581	0.8	0.1	72.4	3.0	75.4
	17	0	0	0	14,084	581	0.0	0.0	72.4	3.0	75.4
	18	216	7	223	14,300	588	1.1	0.0	73.5	3.0	76.5
	19	834	5	839	15,134	593	4.3	0.0	77.8	3.0	80.9
	20	258	2	260	15,392	595	1.3	0.0	79.1	3.1	82.2
	21	429	15	444	15,821	610	2.2	0.1	81.3	3.1	84.5
	22	1,044	14	1,058	16,865	624	5.4	0.1	86.7	3.2	89.9
	23	553	16	569	17,418	640	2.8	0.1	89.6	3.3	92.8
	24	487	11	498	17,905	651	2.5	0.1	92.1	3.3	95.4
	25	186	2	188	18,091	653	1.0	0.0	93.0	3.4	96.4
	26	619	8	627	18,710	661	3.2	0.0	96.2	3.4	99.6
	27	77	2	79	18,787	663	0.4	0.0	96.6	3.4	100.0
Total	18,787	663	19,450	18,787	663	19,450	96.6	3.4	96.6	3.4	100.0

Table 93. Coho salmon daily and cumulative escapement counts through the Thin Point Lake weir, 1994.

Date	Daily	Cumulative
July 14 - August 14	0	0
15	3	3
16	0	3
17	0	3
18	0	3
19	0	3
20	0	3
21	5	8
22	12	20
23	11	31
24	20	51
25	13	64
26	19	83
27	6	89
Total	89	89

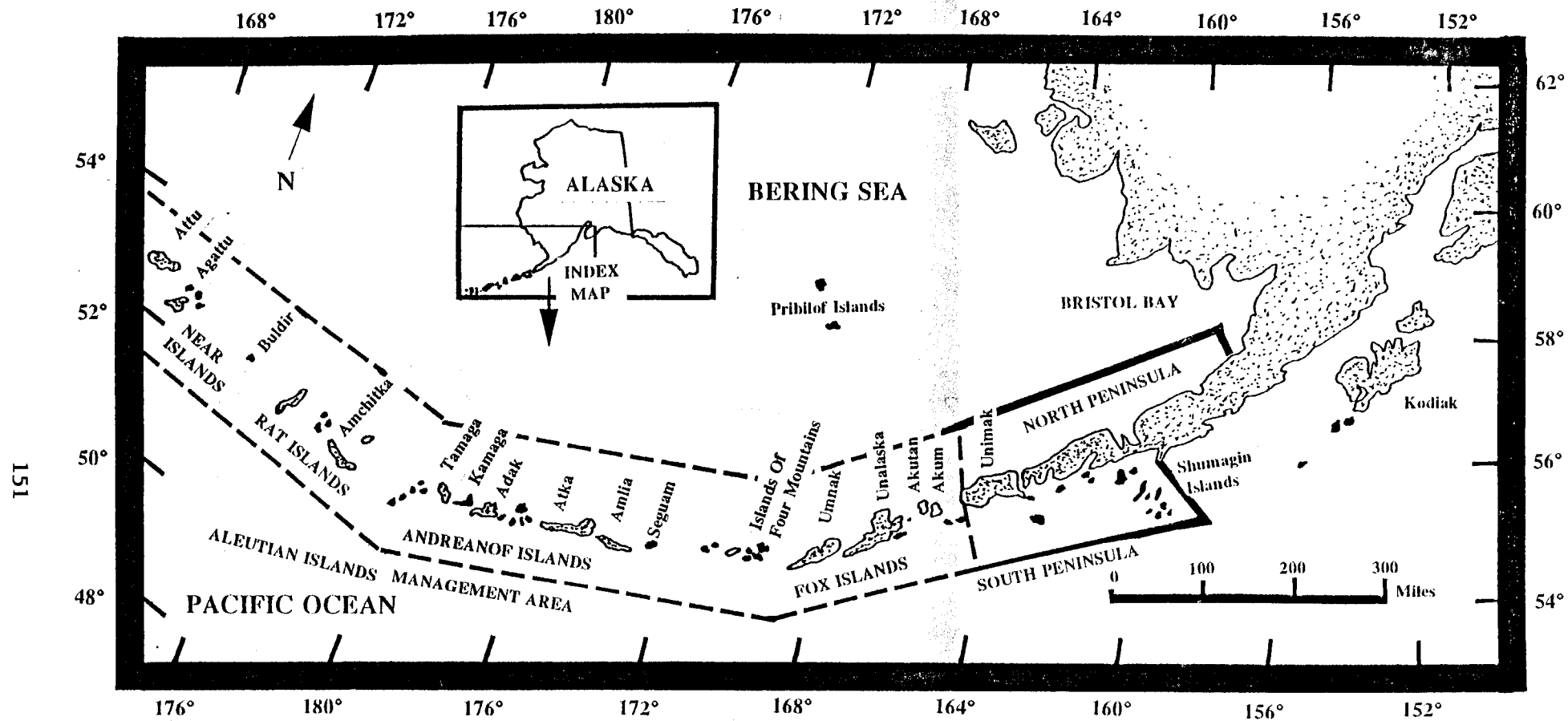


Figure 1. Map of the Alaska Peninsula and Aleutian Islands Management Areas; the study area on the Pacific portion of the map is from the Shumagin Islands to Attu Island.



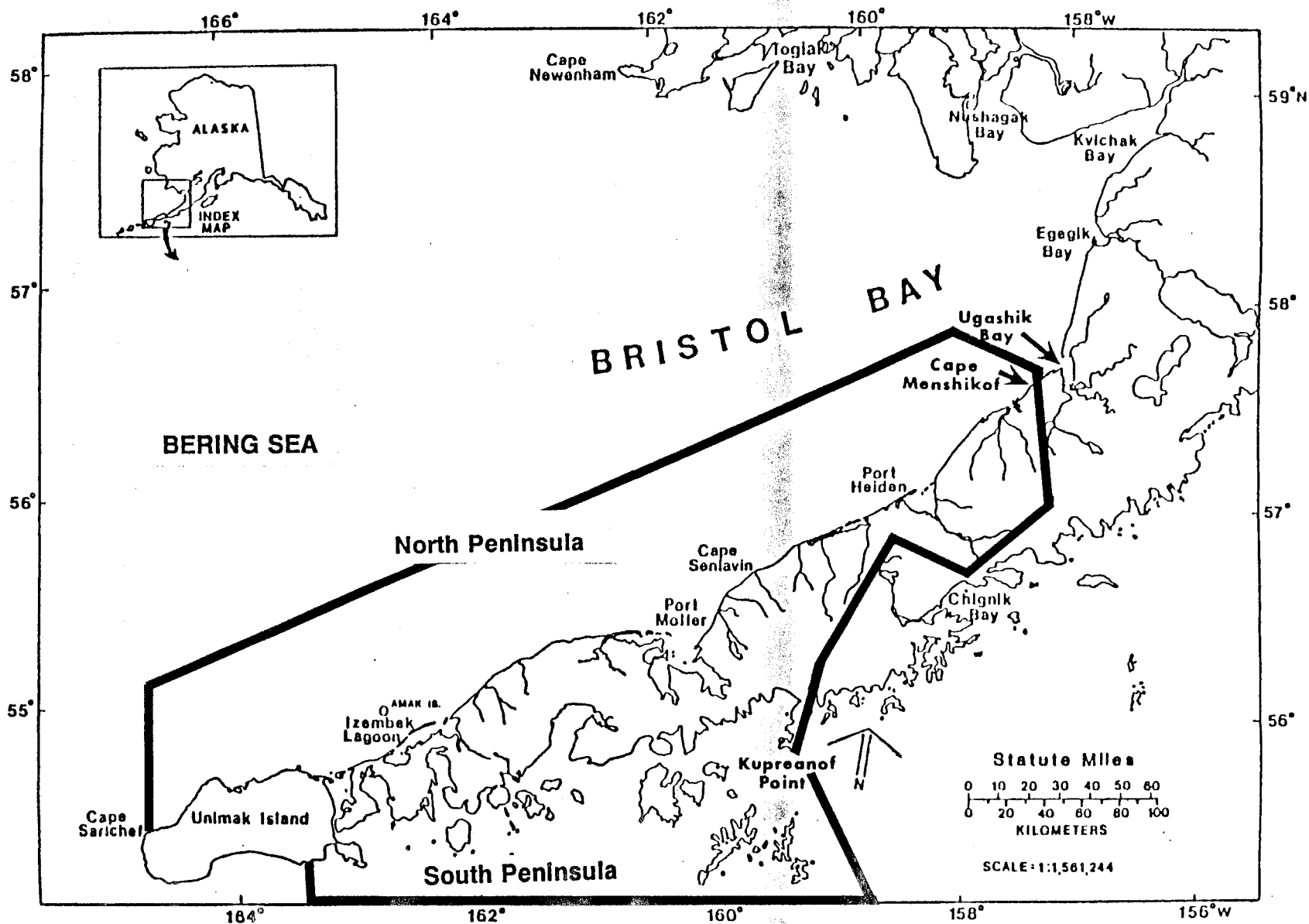


Figure 2. Map of the Alaska Peninsula Management Area, with the North and South Peninsula defined.

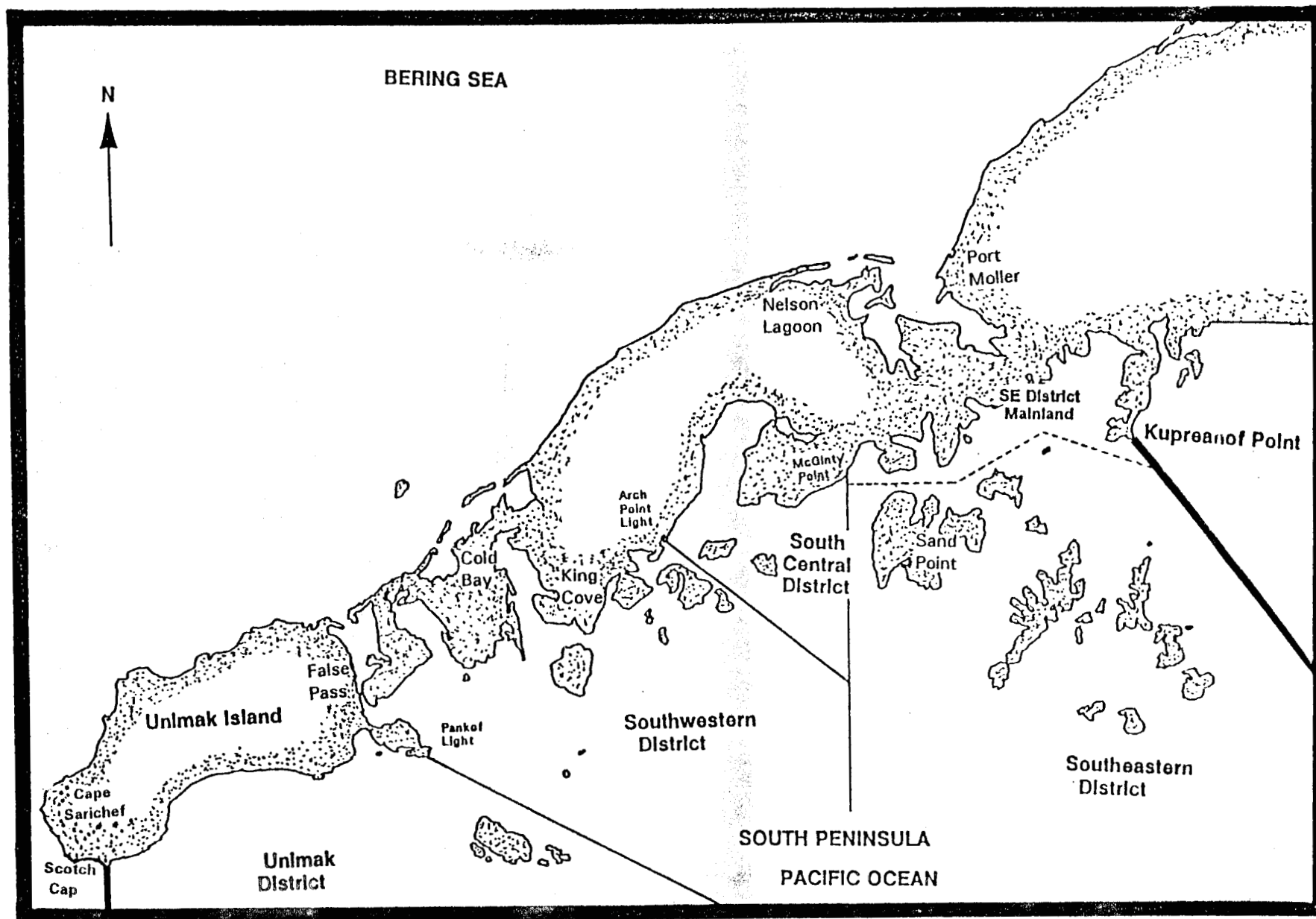


Figure 3. Map of the Alaska Peninsula Management Area with the salmon fishing districts defined.

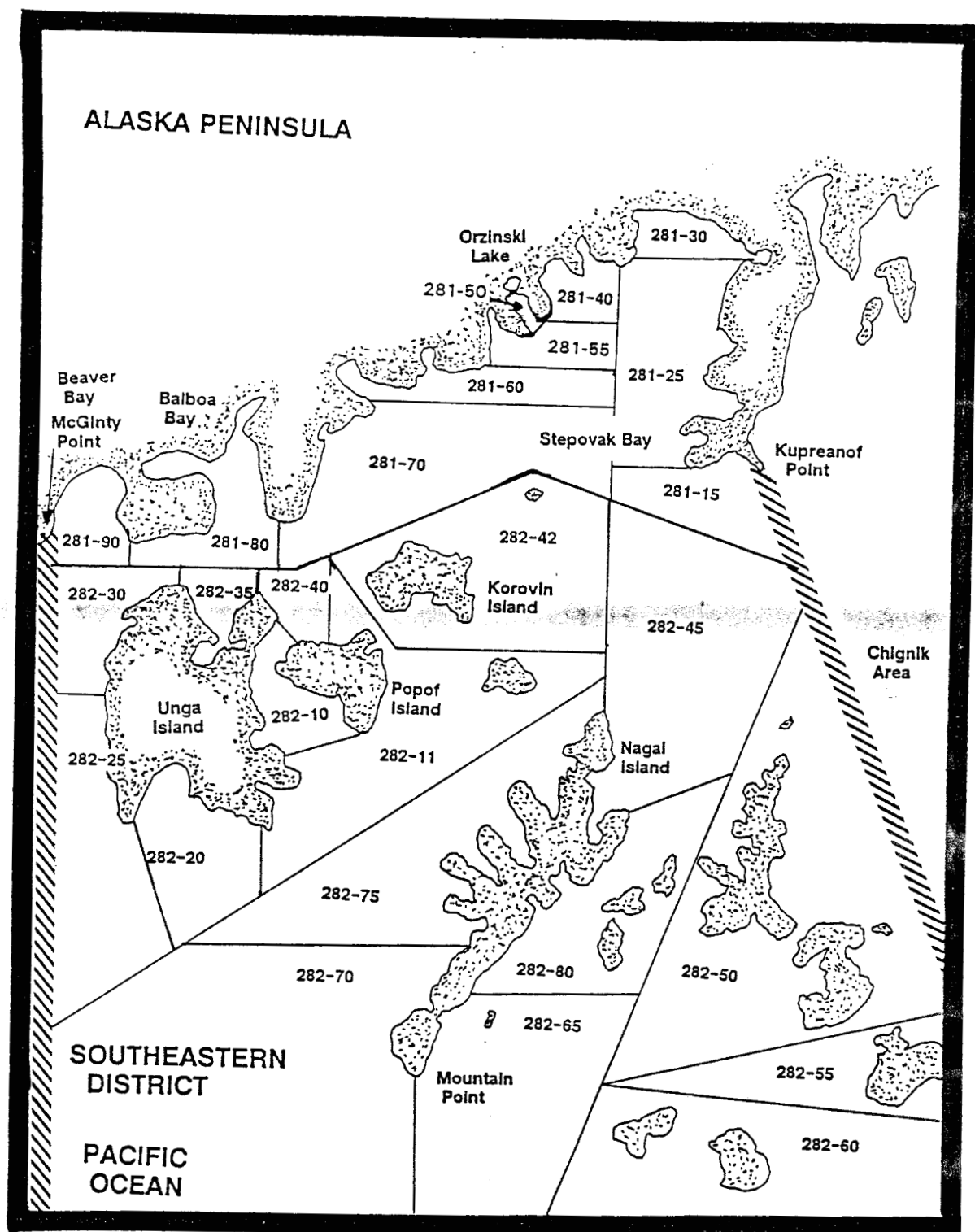


Figure 4. Map of the Alaska Peninsula Area from Kupreanof Point to McGinty Point (Southeastern District) with the statistical salmon fishing areas shown.

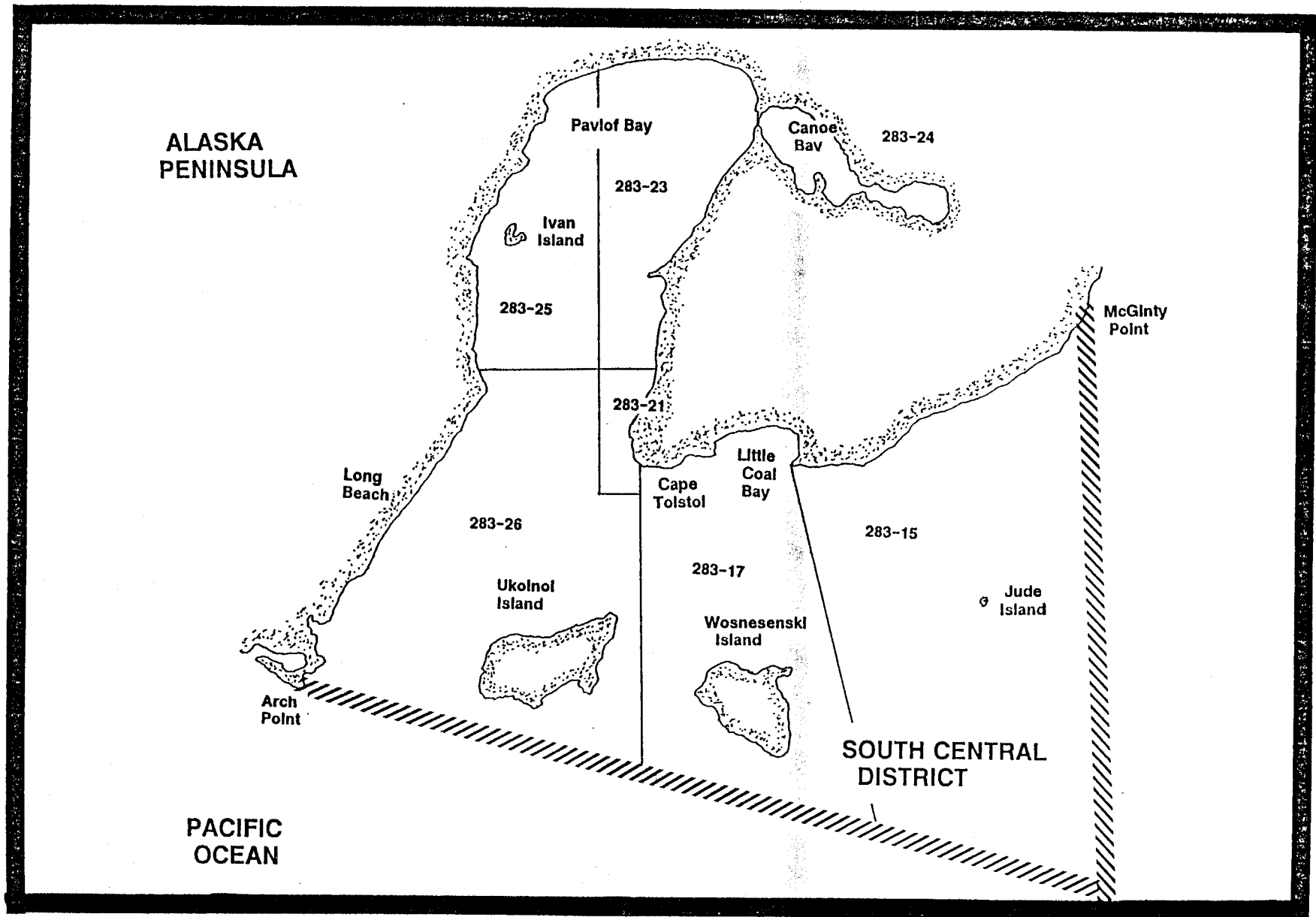


Figure 5. Map of the Alaska Peninsula Area from McGinty Point to Arch Point (South Central District) with the statistical salmon fishing areas shown.

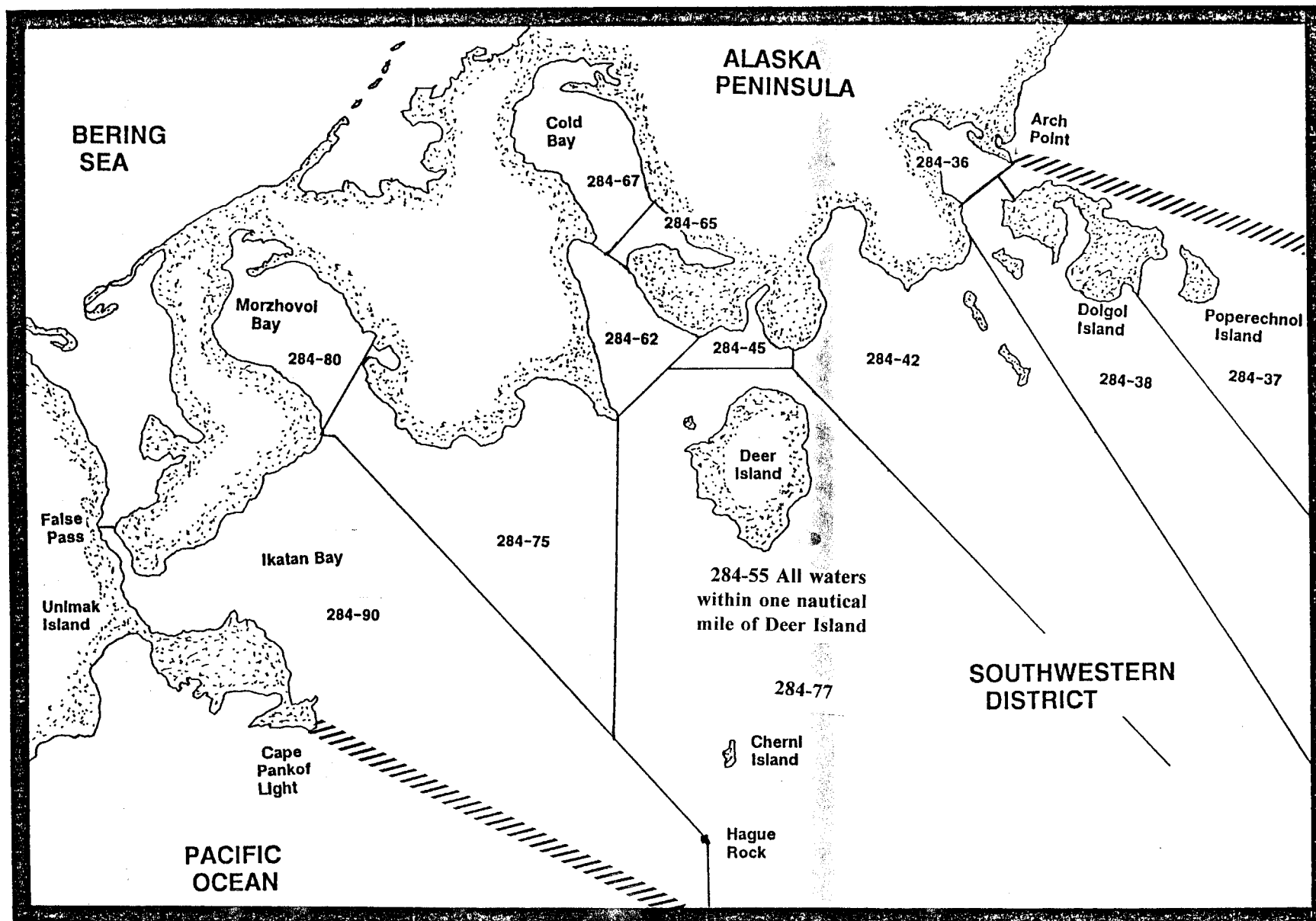


Figure 6. Map of the Alaska Peninsula Area from Arch Point to Unimak Island (Southwestern District) with the statistical salmon fishing areas shown.

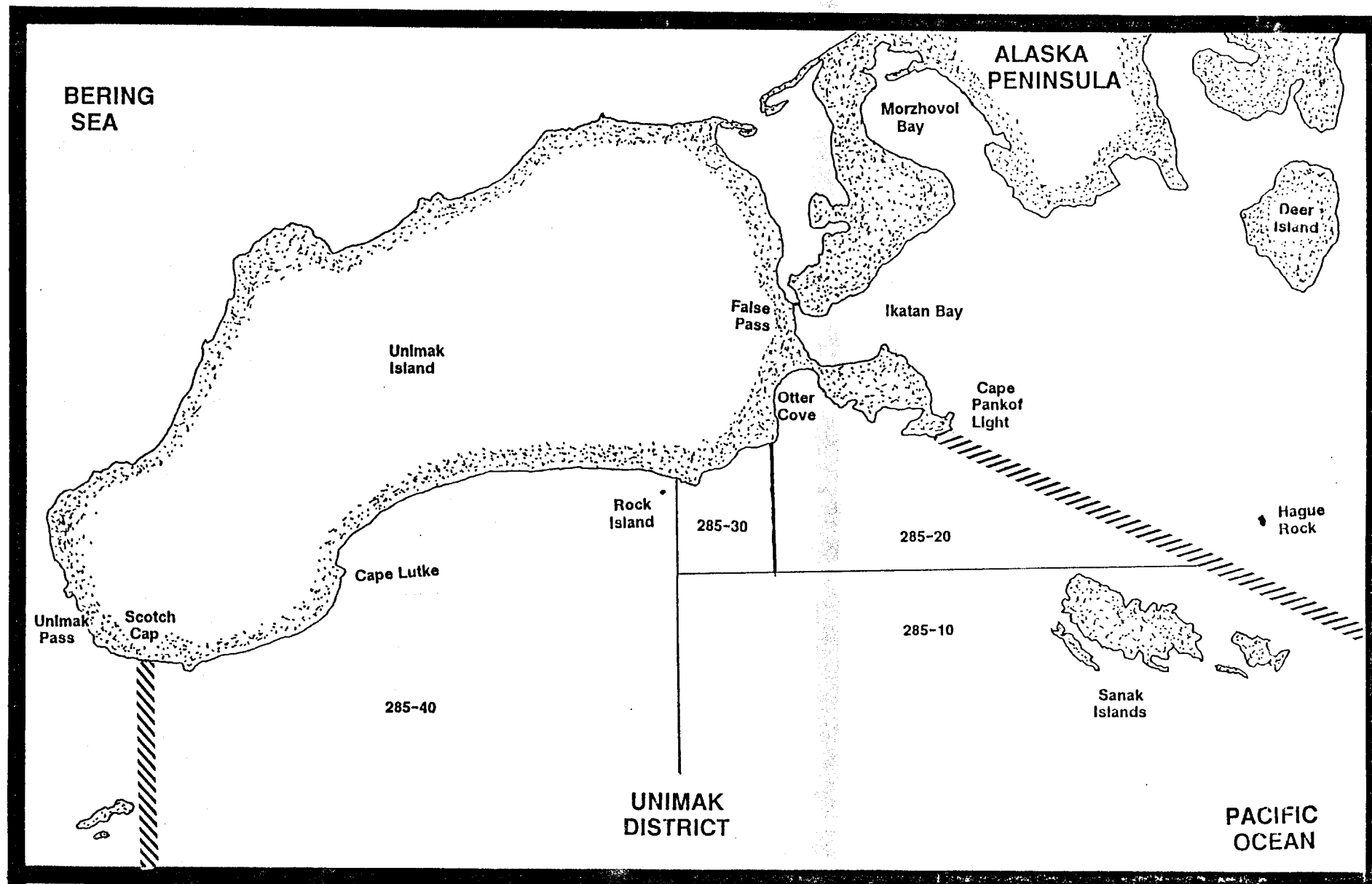


Figure 7. Map of the Alaska Peninsula Area from Hague Rock to Unimak Pass (Unimak District) with the statistical salmon fishing areas shown.

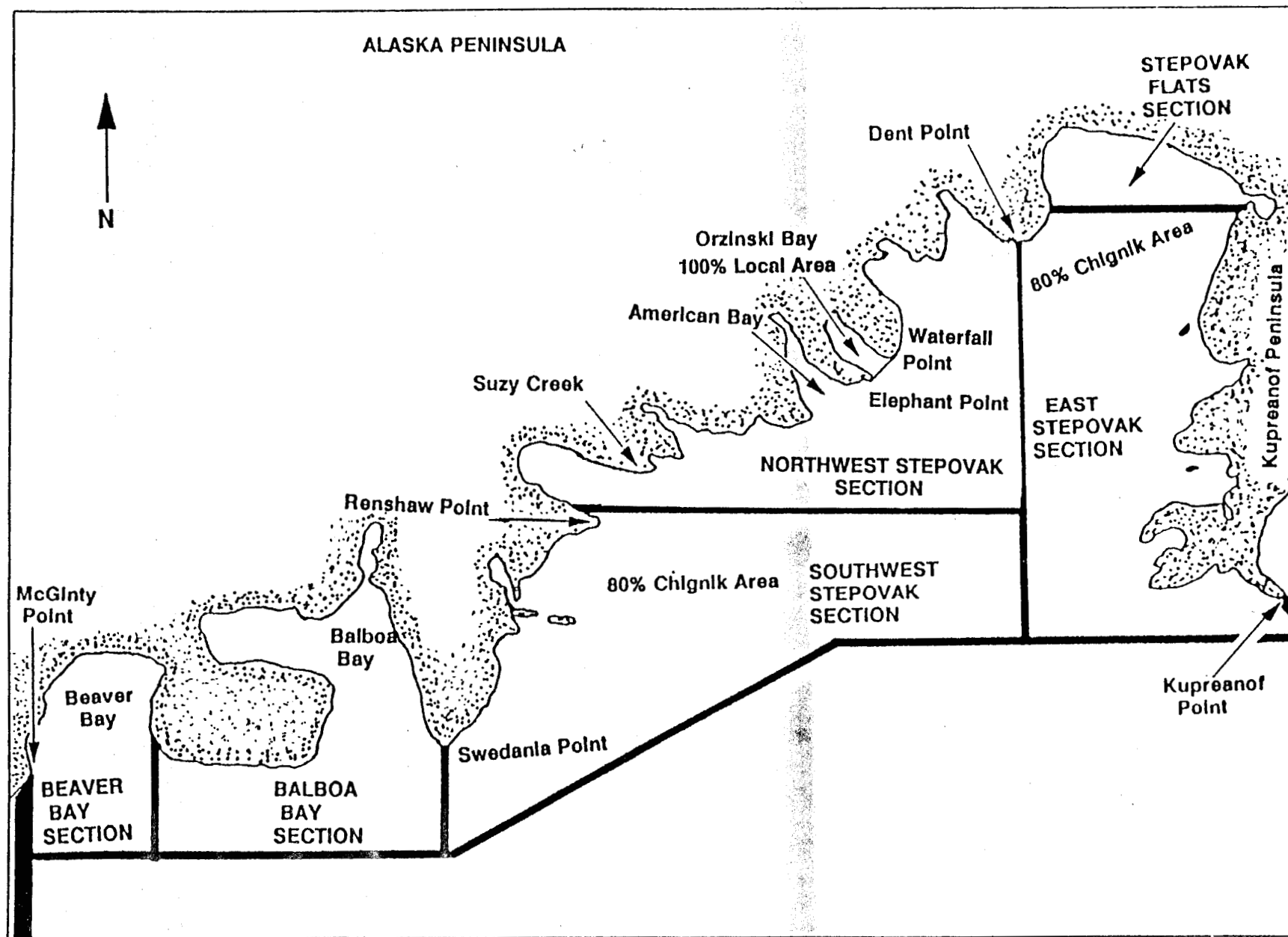
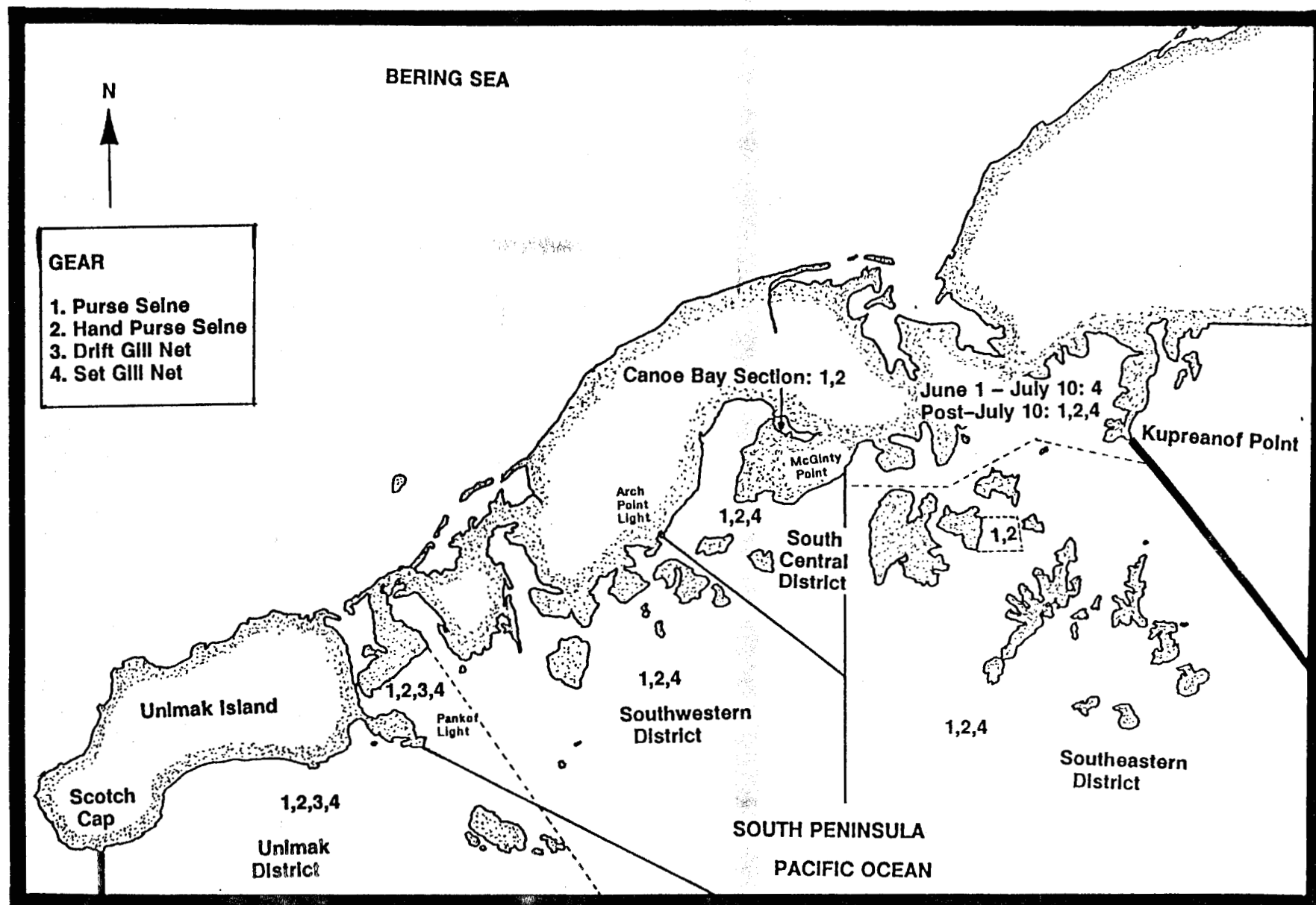


Figure 8. Map of the Southeastern District Mainland fishery from Kupreanof Point to McGinty Point with the salmon sections defined.



**Set Gill Net gear may be used throughout the South Peninsula during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.**

Figure 9. Map of the Alaska Peninsula Area from Kupreanof Point to Scotch Cap with the allowable gear types shown.



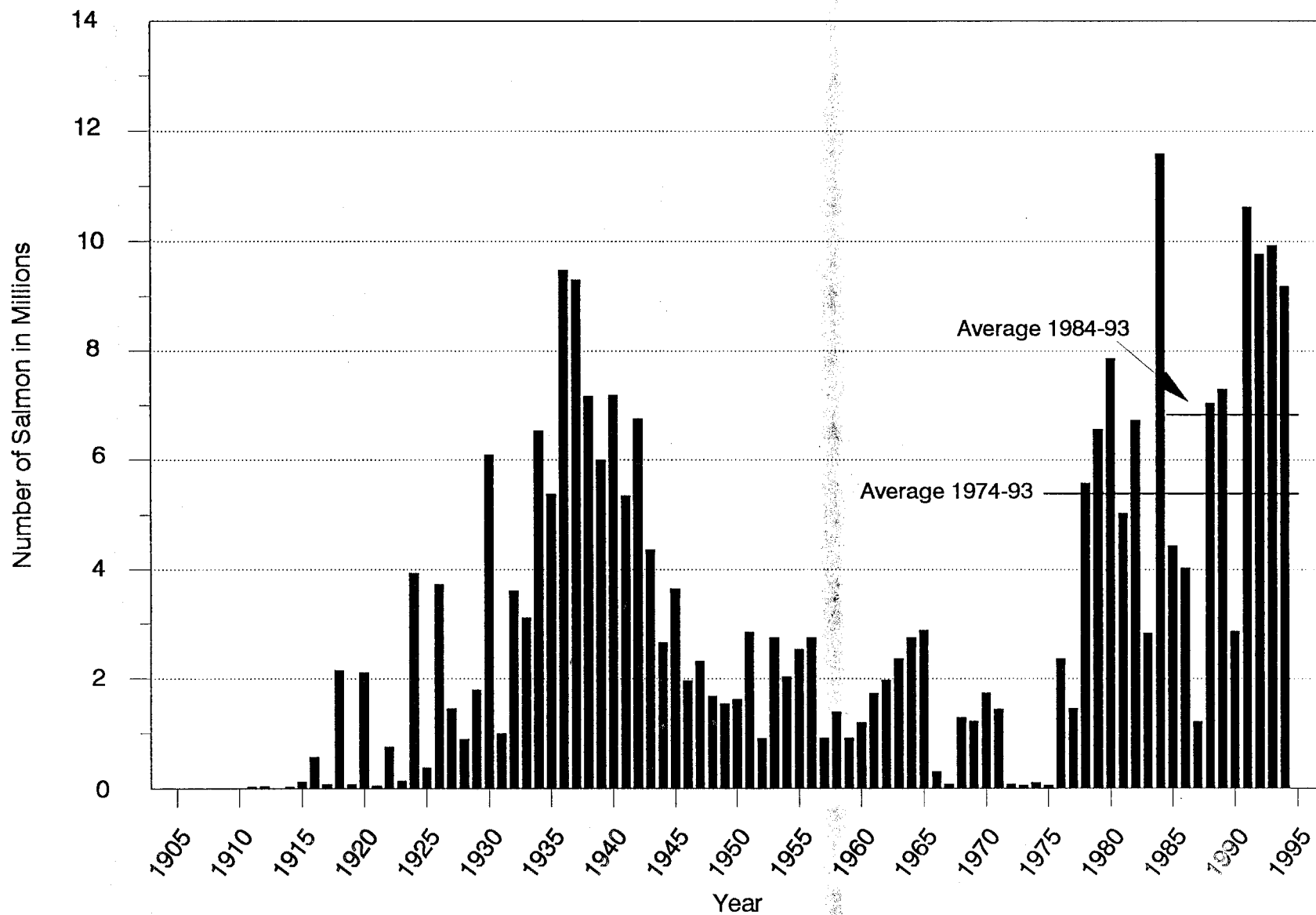


Figure 10. South Peninsula pink harvest by year, 1906-94.

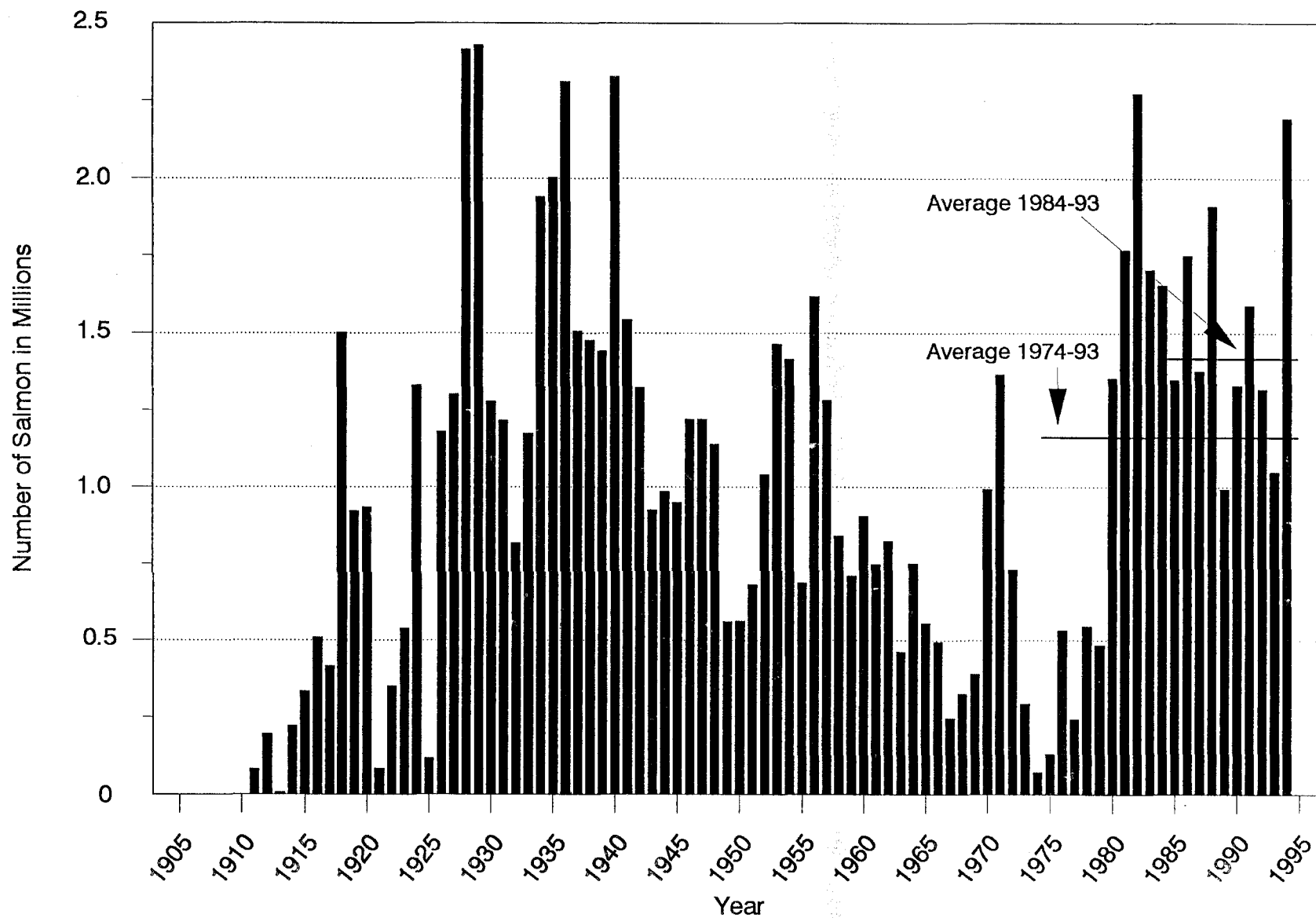


Figure 11. South Peninsula chum harvest by year, 1906-94.

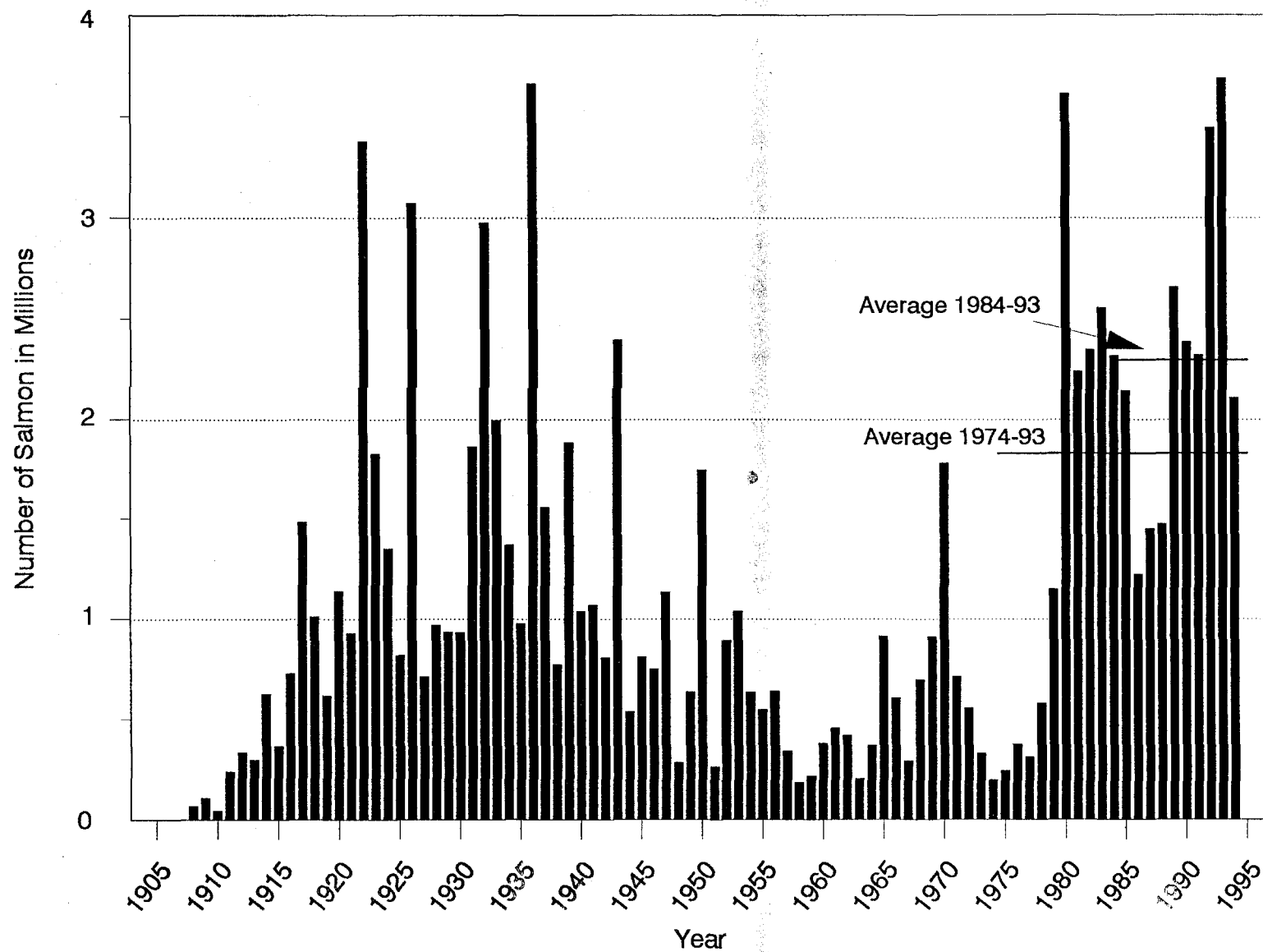


Figure 12. South Peninsula sockeye harvest by year, 1906-94.

File c:\data\amr94\sockharv.drw

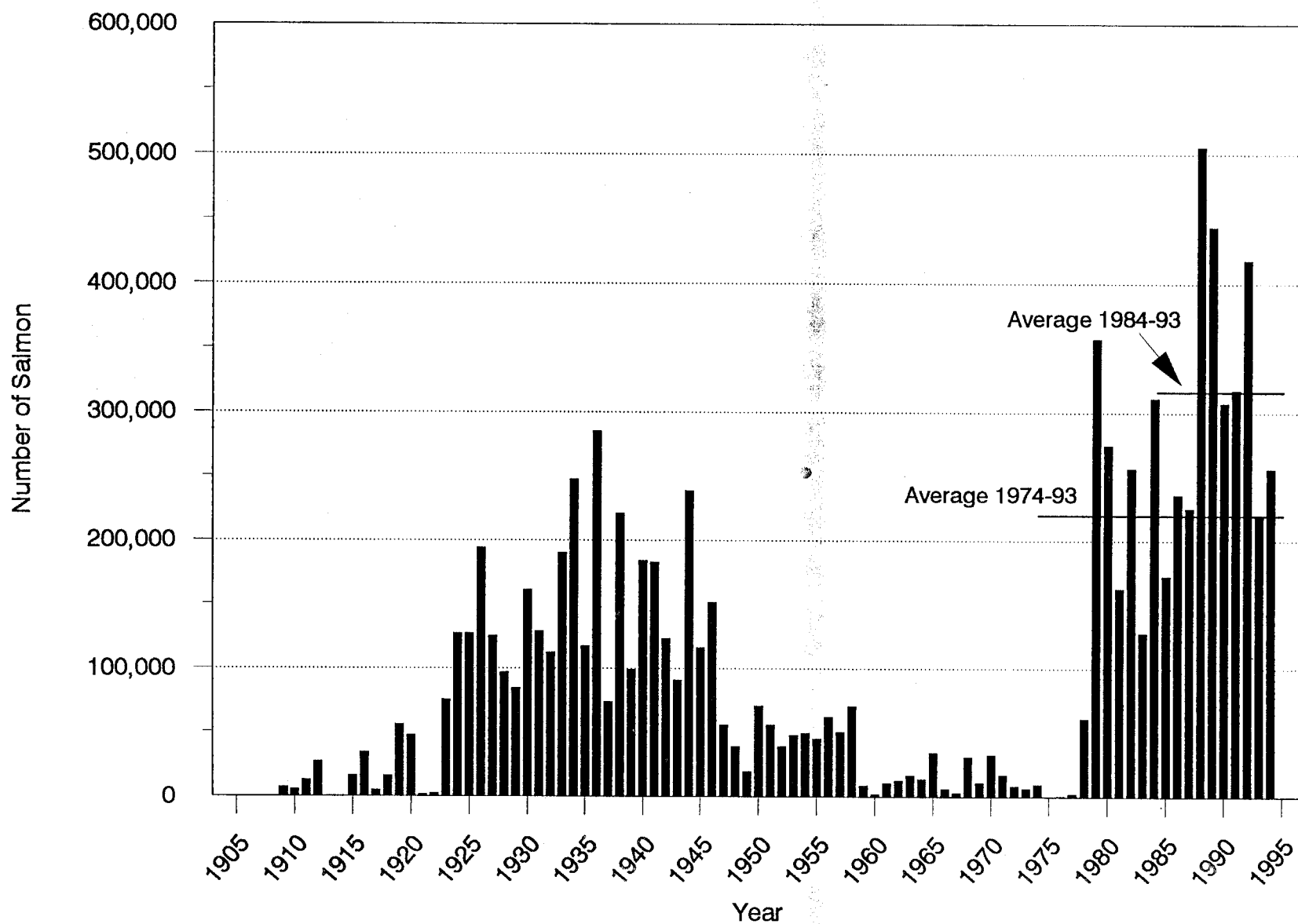


Figure 13. South Peninsula coho harvest by year, 1906-94.

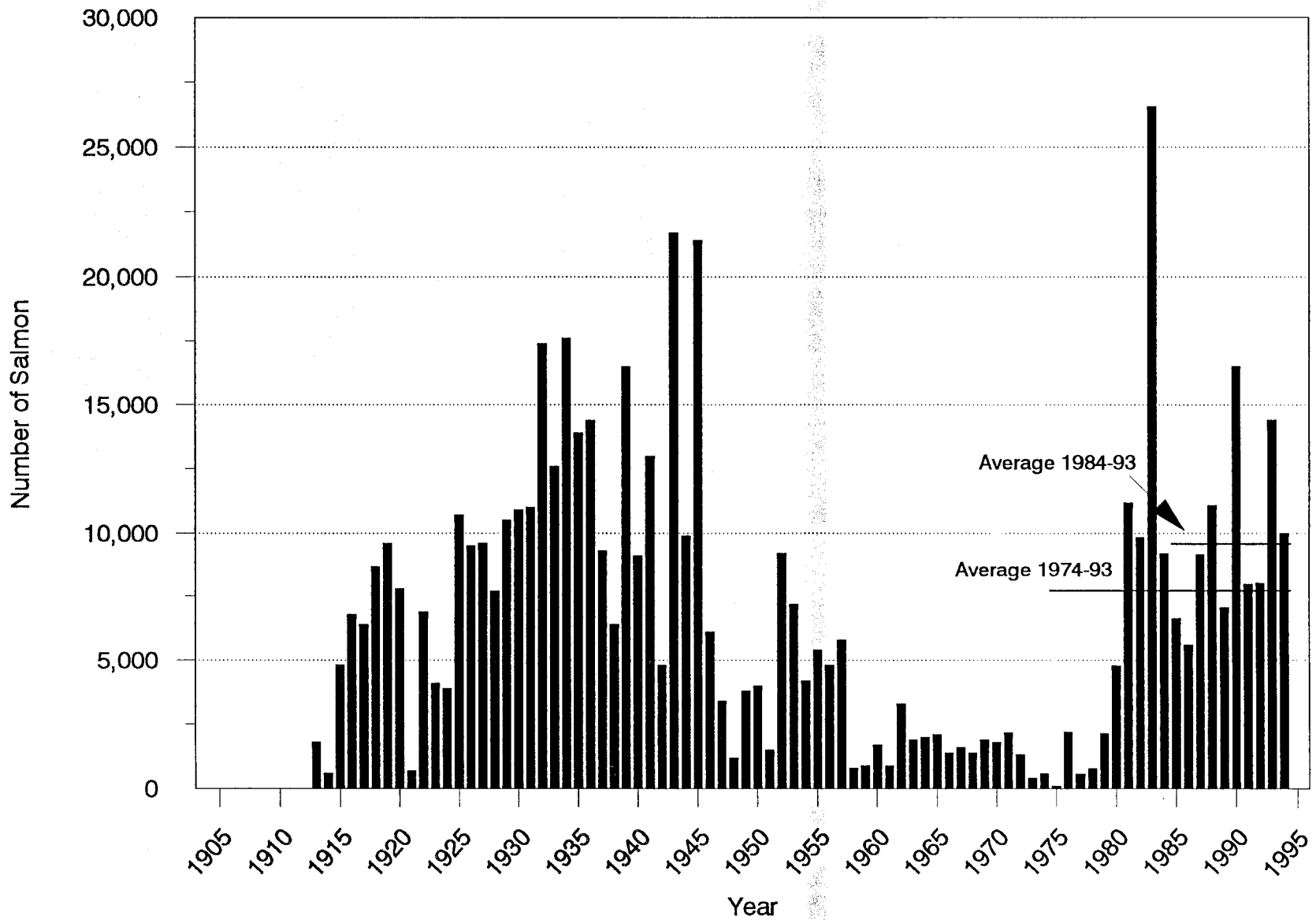


Figure 14. South Peninsula chinook harvest by year, 1906-94.

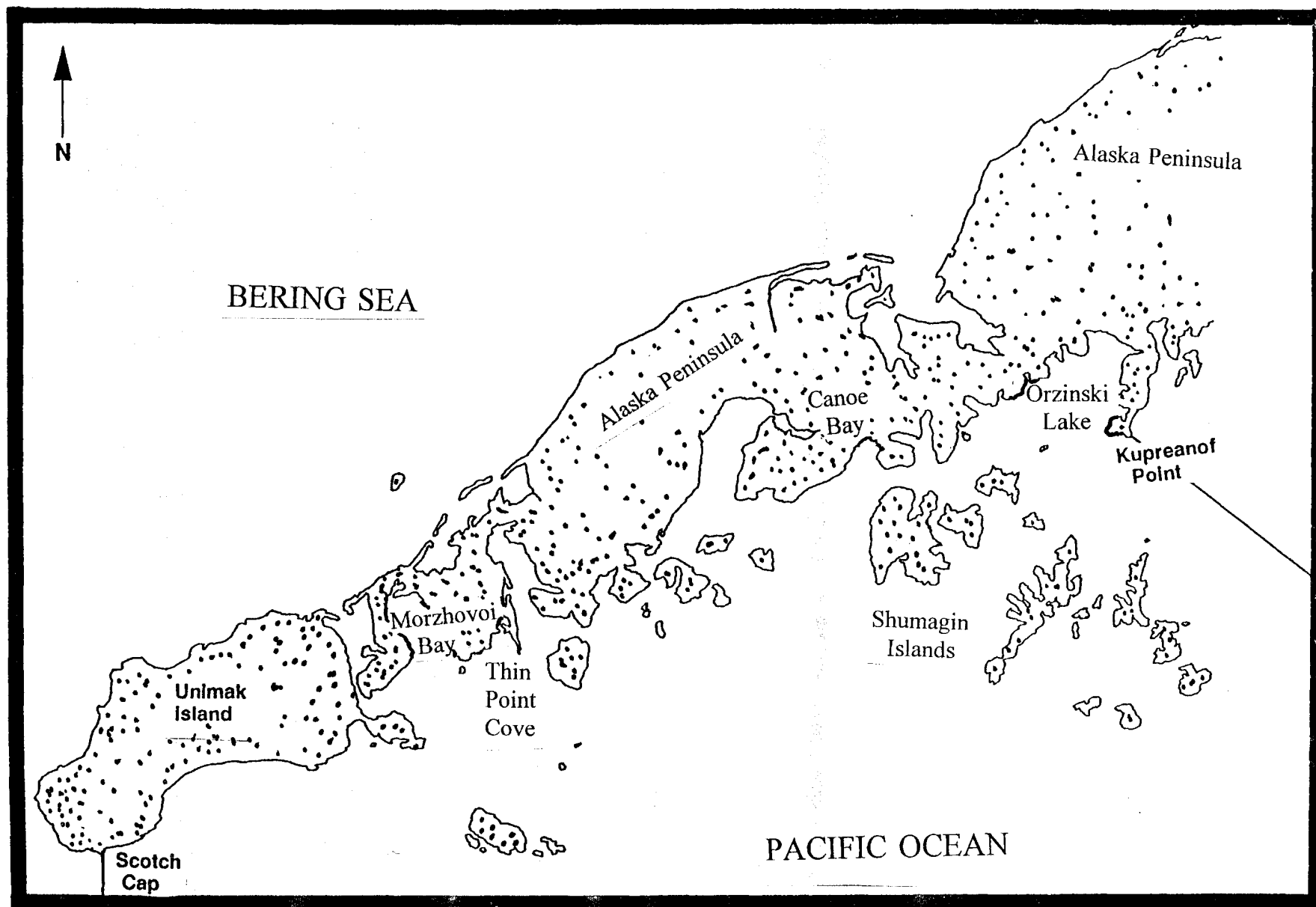


Figure 15. Map of the Alaska Peninsula with the remote field camps of Orzinski Lake, Canoe Bay, Thin Point Cove, and Morzhovoi Bay shown.

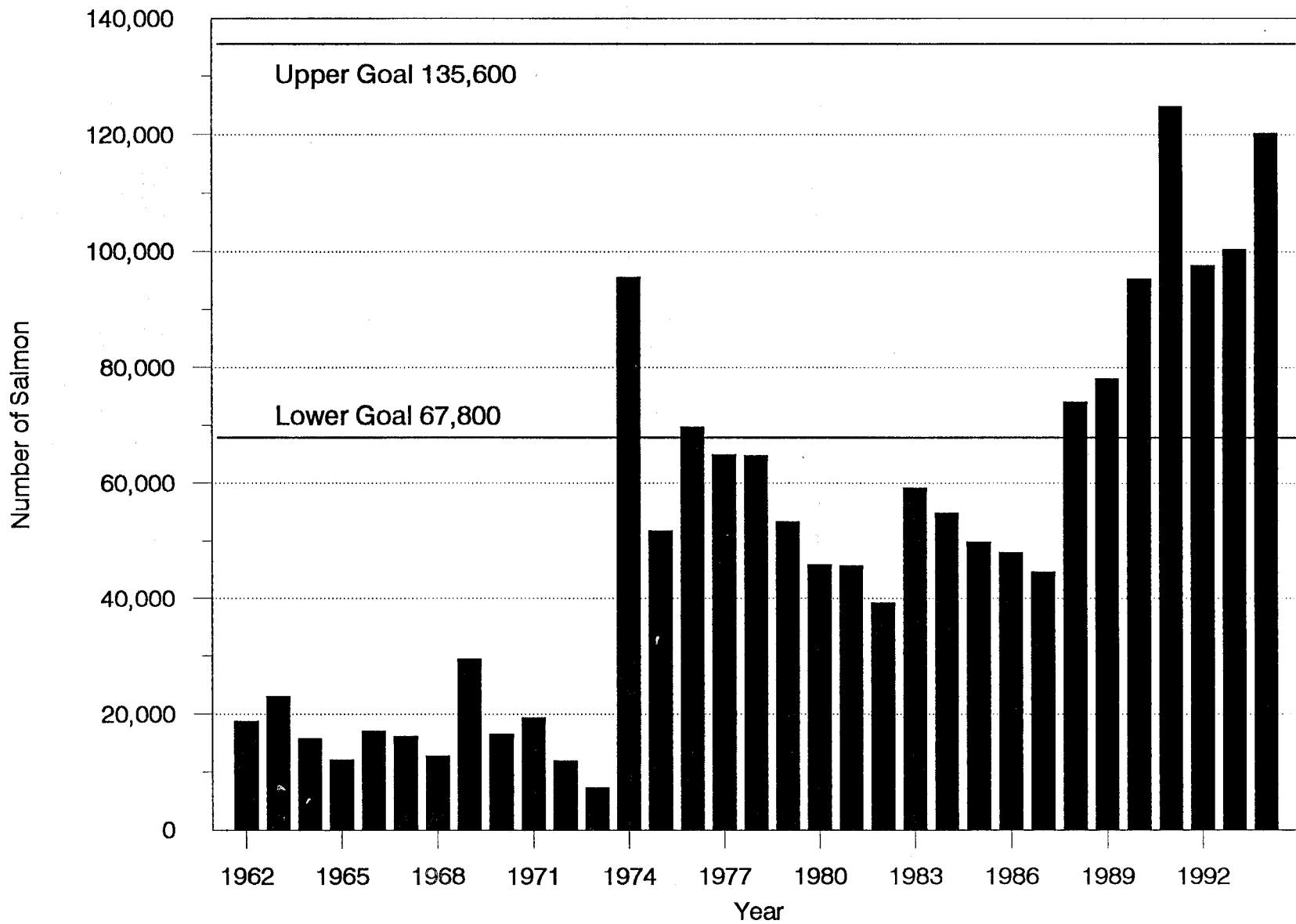


Figure 16. South Peninsula total indexed sockeye escapement by year, 1962-94.

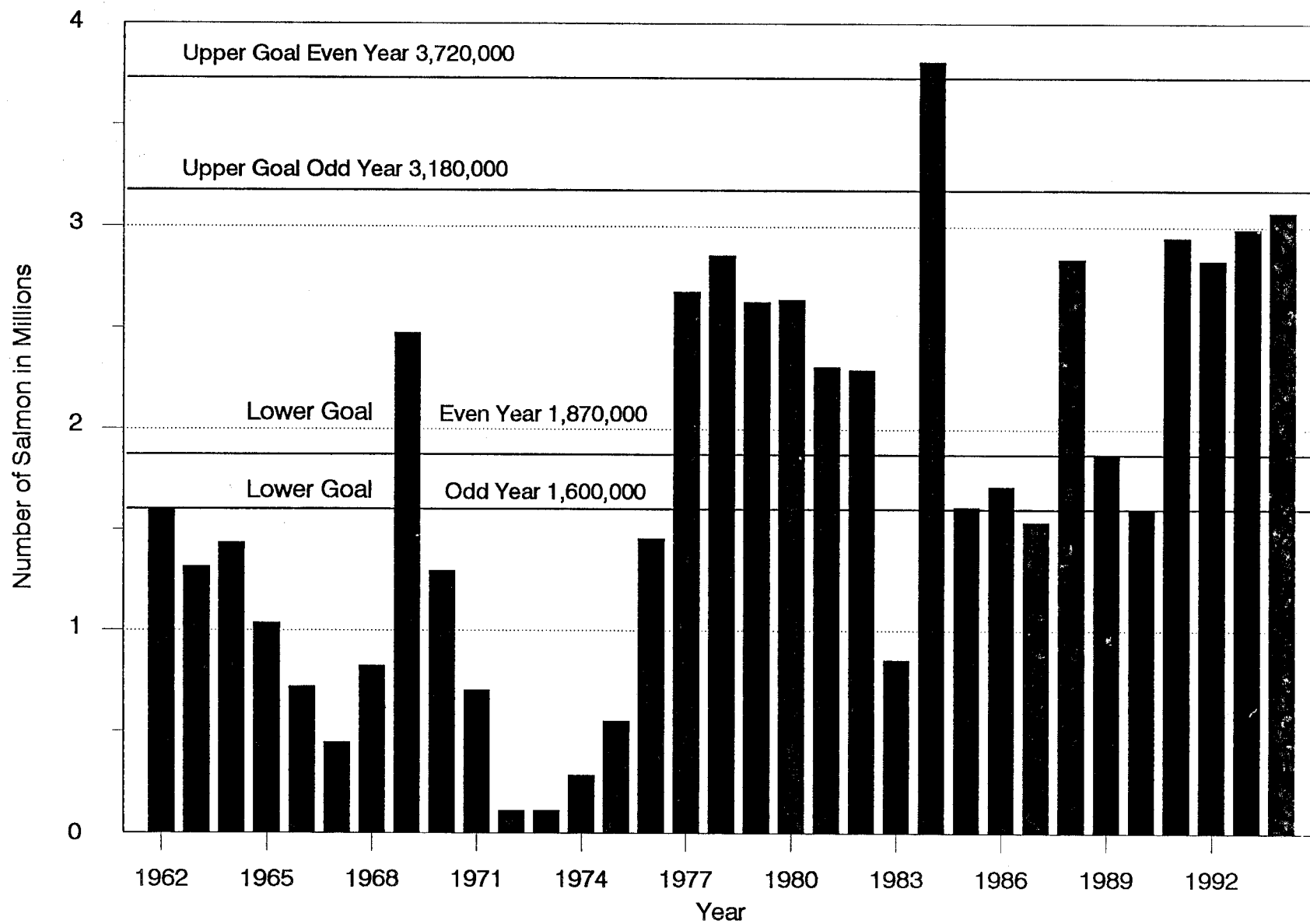


Figure 17. South Peninsula total indexed pink escapement by year, 1962-94.



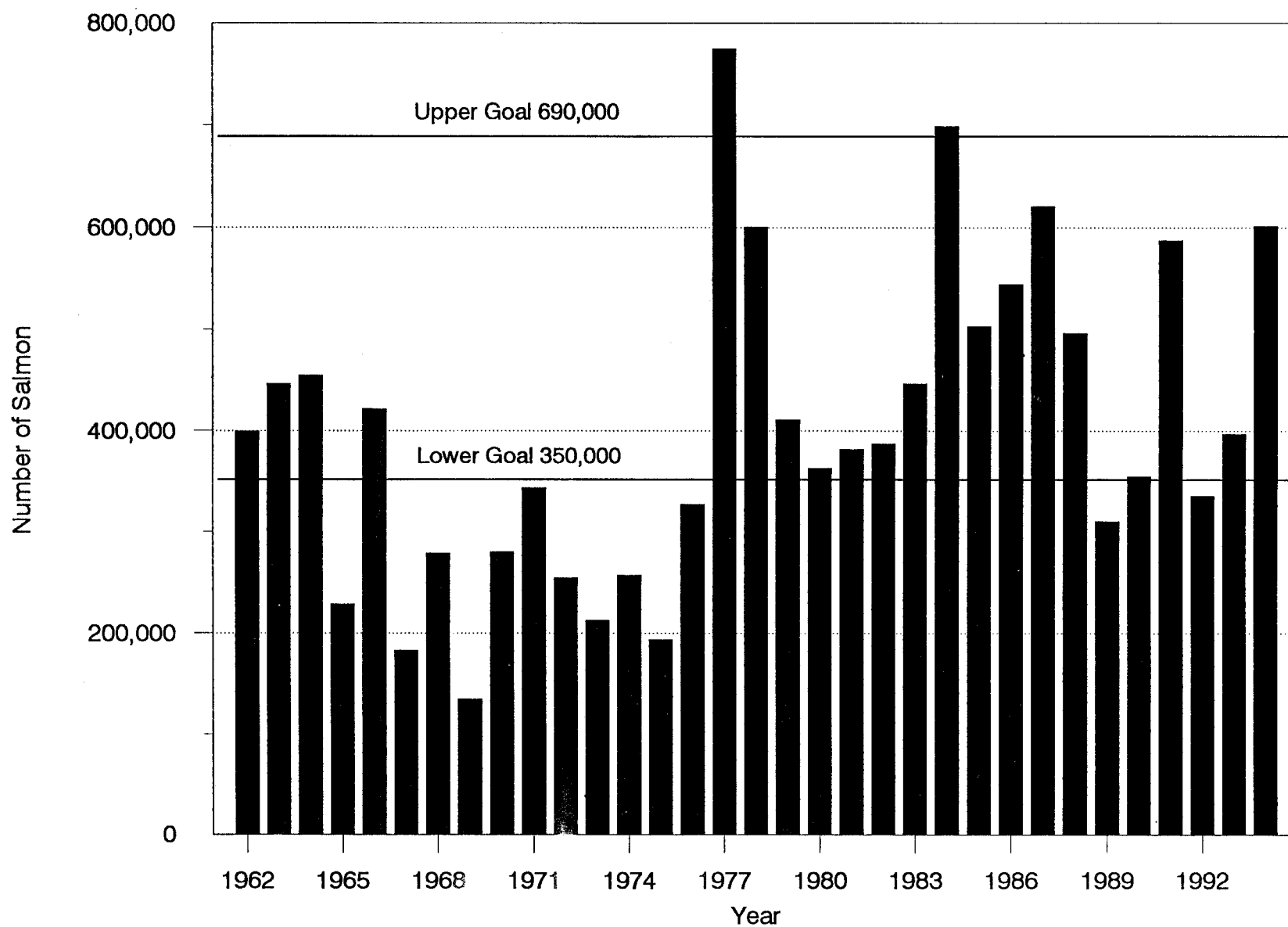


Figure 18. South Peninsula total indexed chum escapement by year, 1962-94.

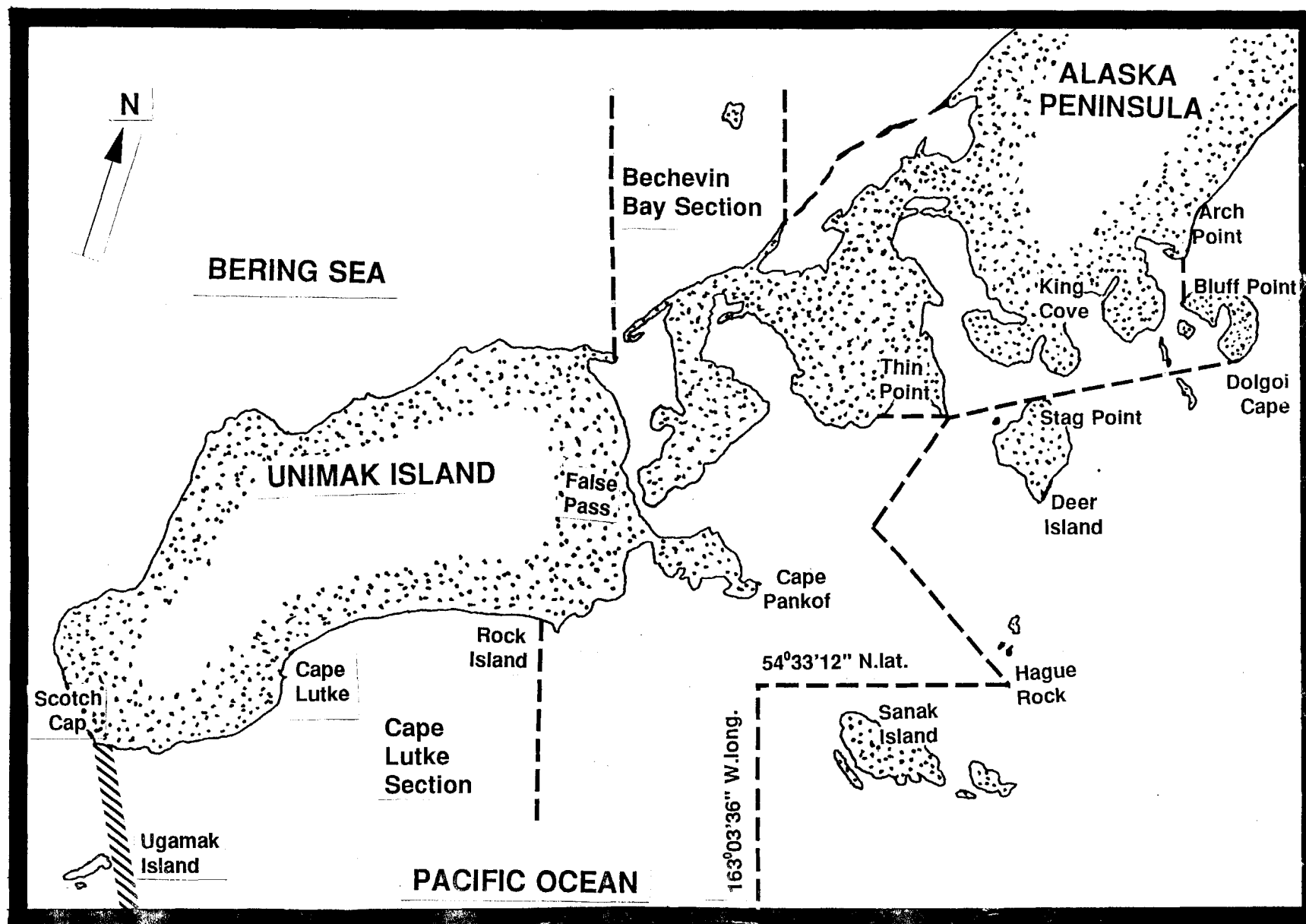


Figure 19. Map of the South Unimak June fishery.

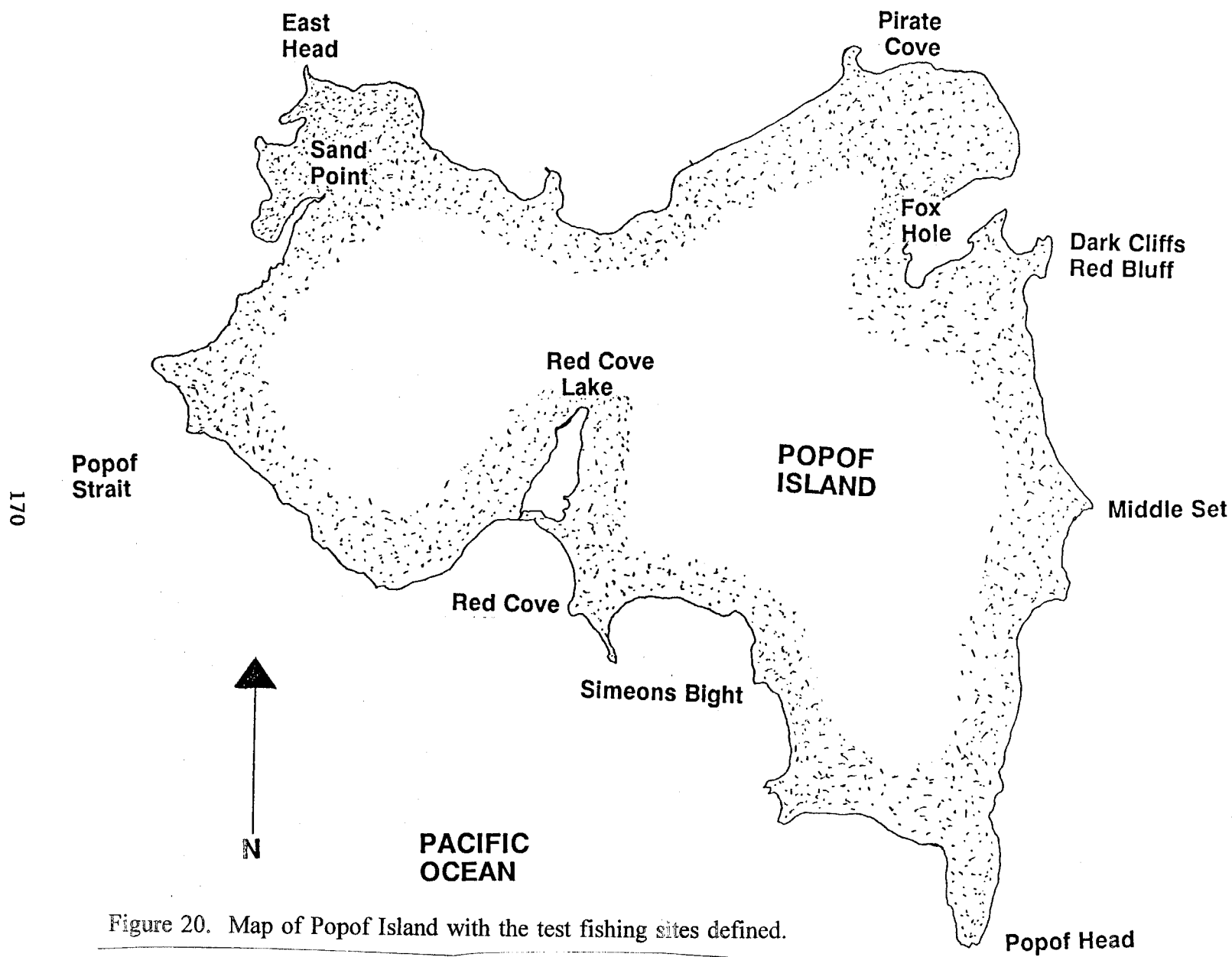


Figure 20. Map of Popof Island with the test fishing sites defined.

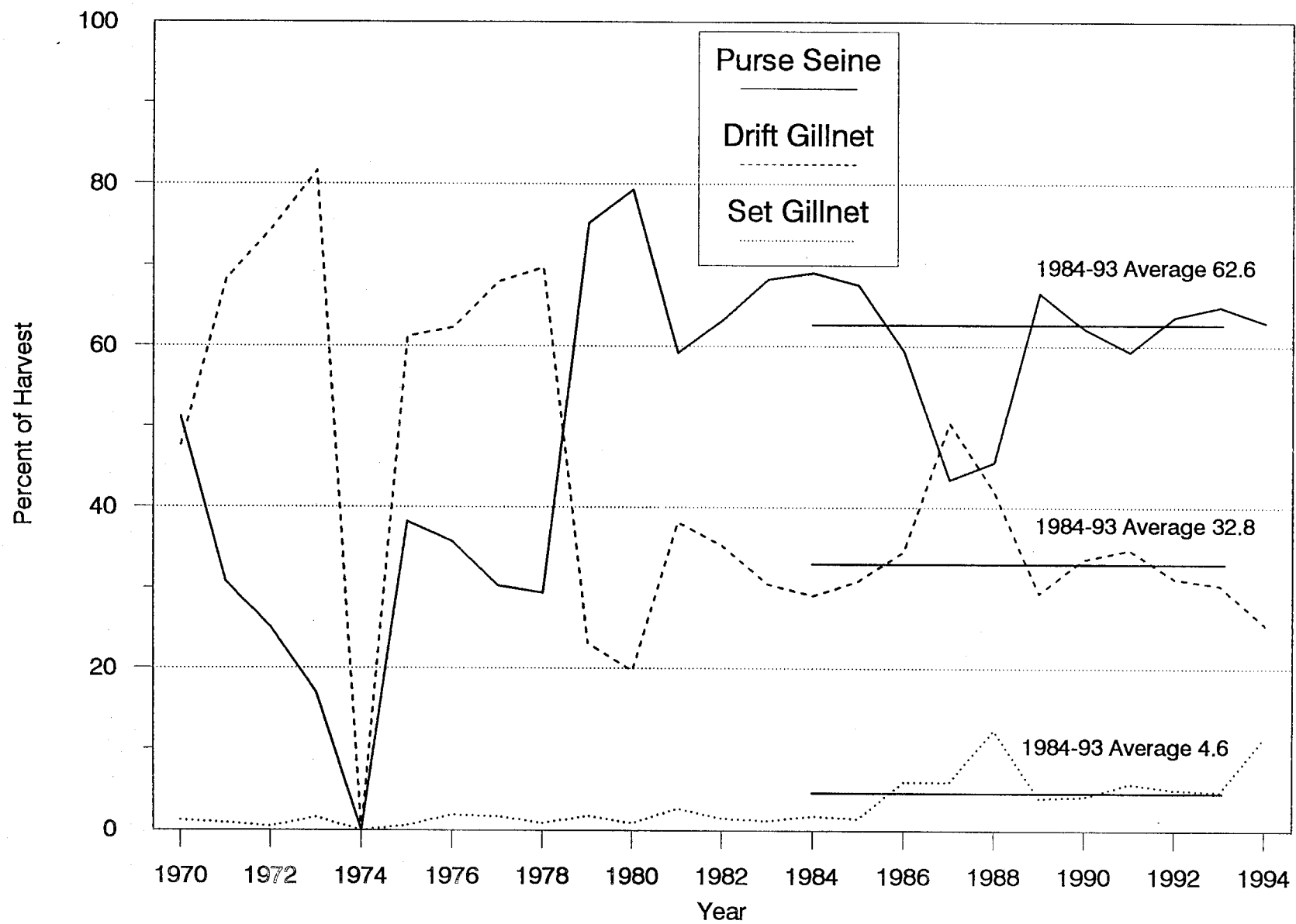


Figure 21. South Unimak and Shumagin Islands June fisheries sockeye harvest by gear, 1970-94.

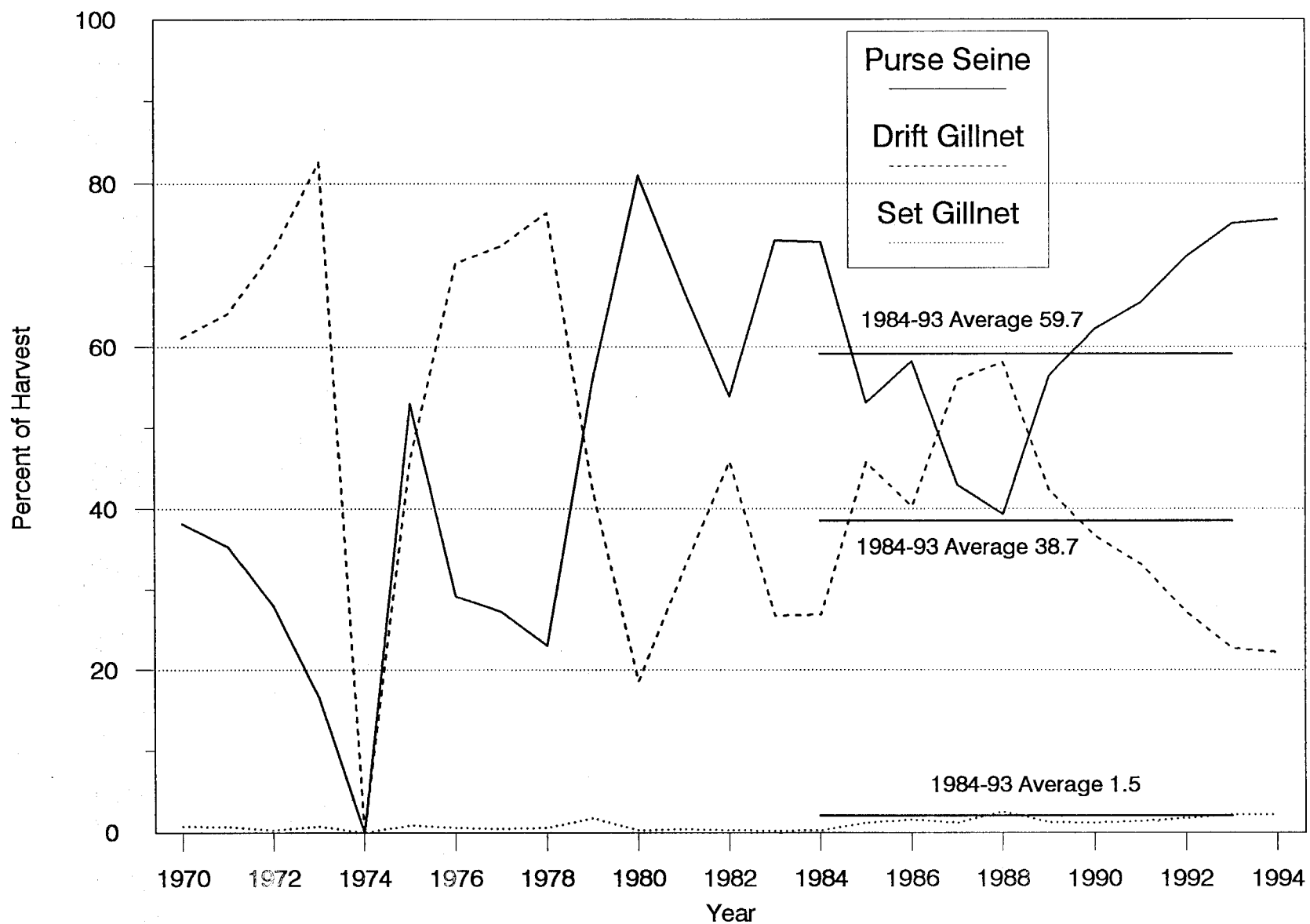


Figure 22. South Unimak and Shumagin Islands June fisheries chum harvest by gear, 1970-94.

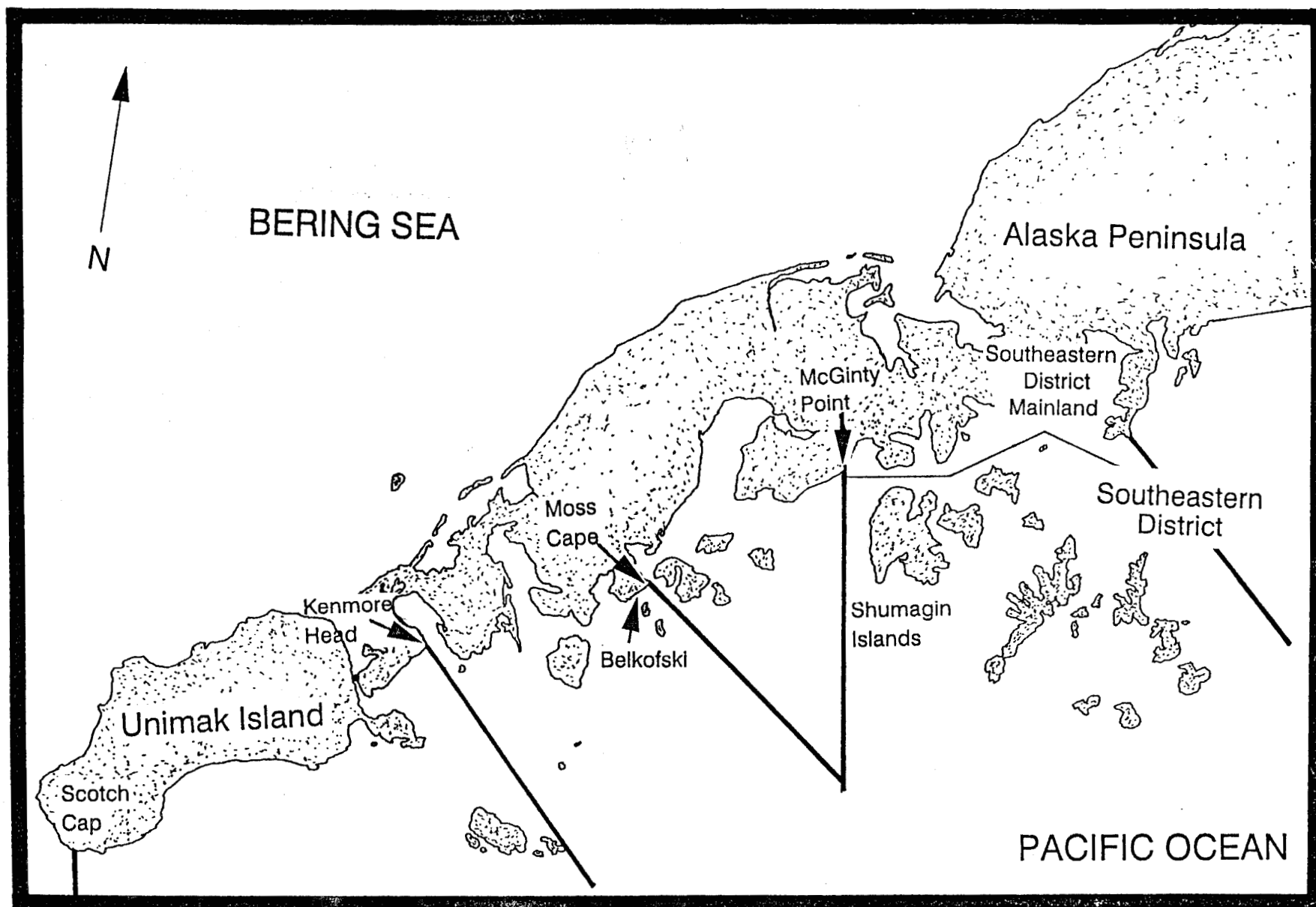


Figure 23. Map of the South Peninsula with McGinty Point, Moss Cape, Kenmore Head, and Scotch Cap shown.

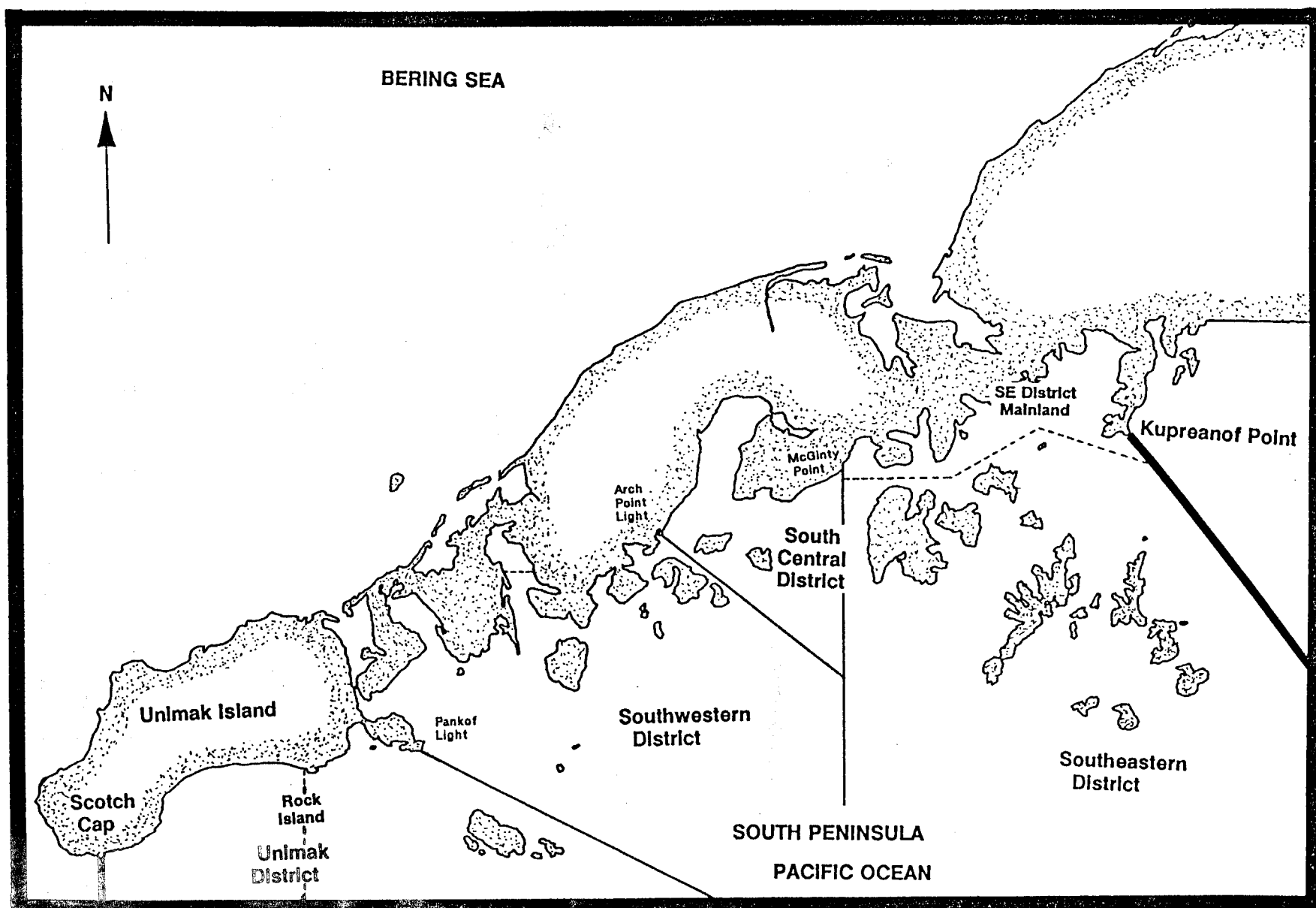


Figure 24. Map of the South Peninsula from Kupreanof Point to Scotch Cap with the general post June fishing area (Rock Island-Kupreanof Point) and the Southeastern District Mainland area shown.

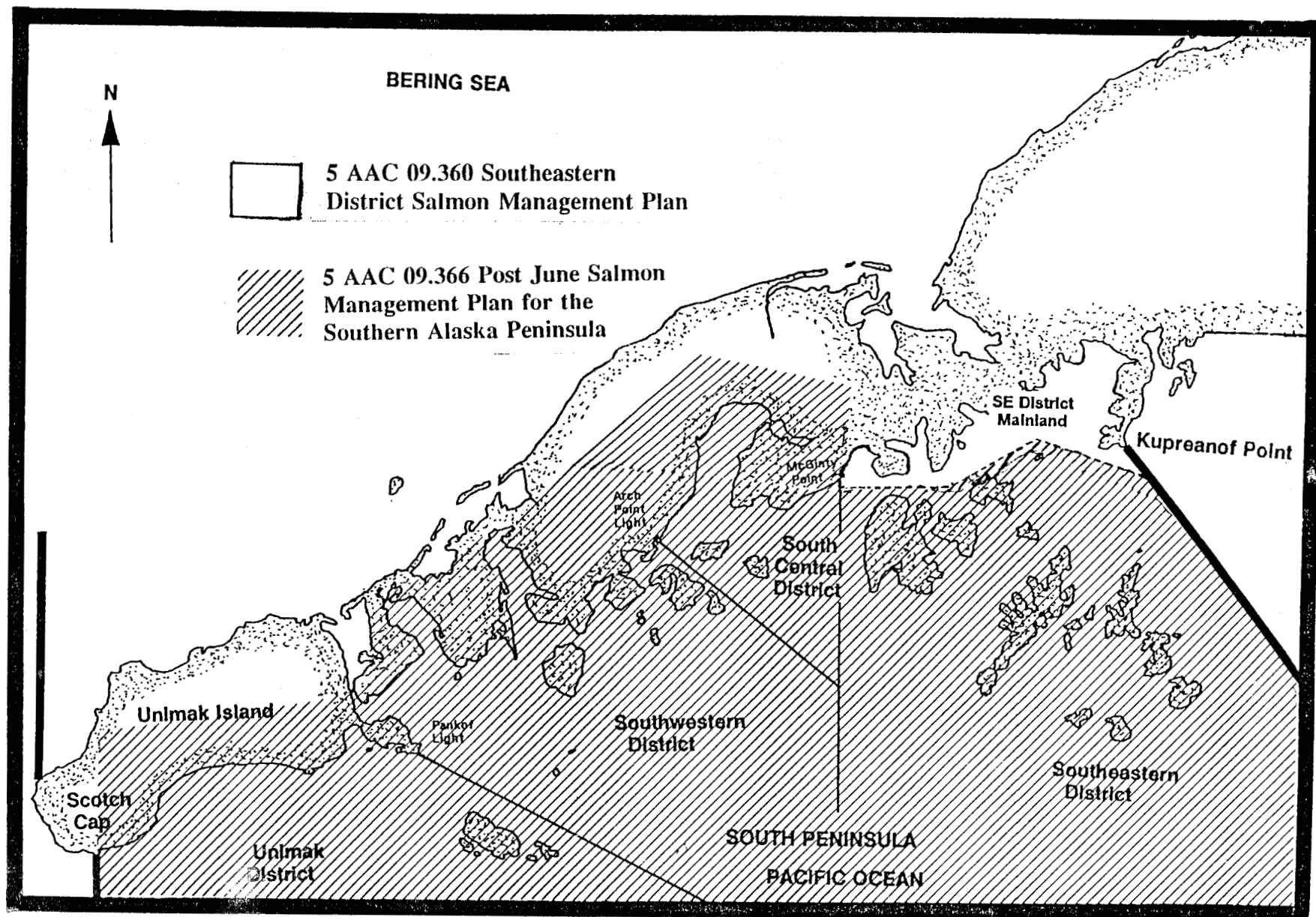


Figure 25. Map of the South Peninsula with the area effected by the Southeastern District Management Plan and the post June Salmon Management Plan defined.



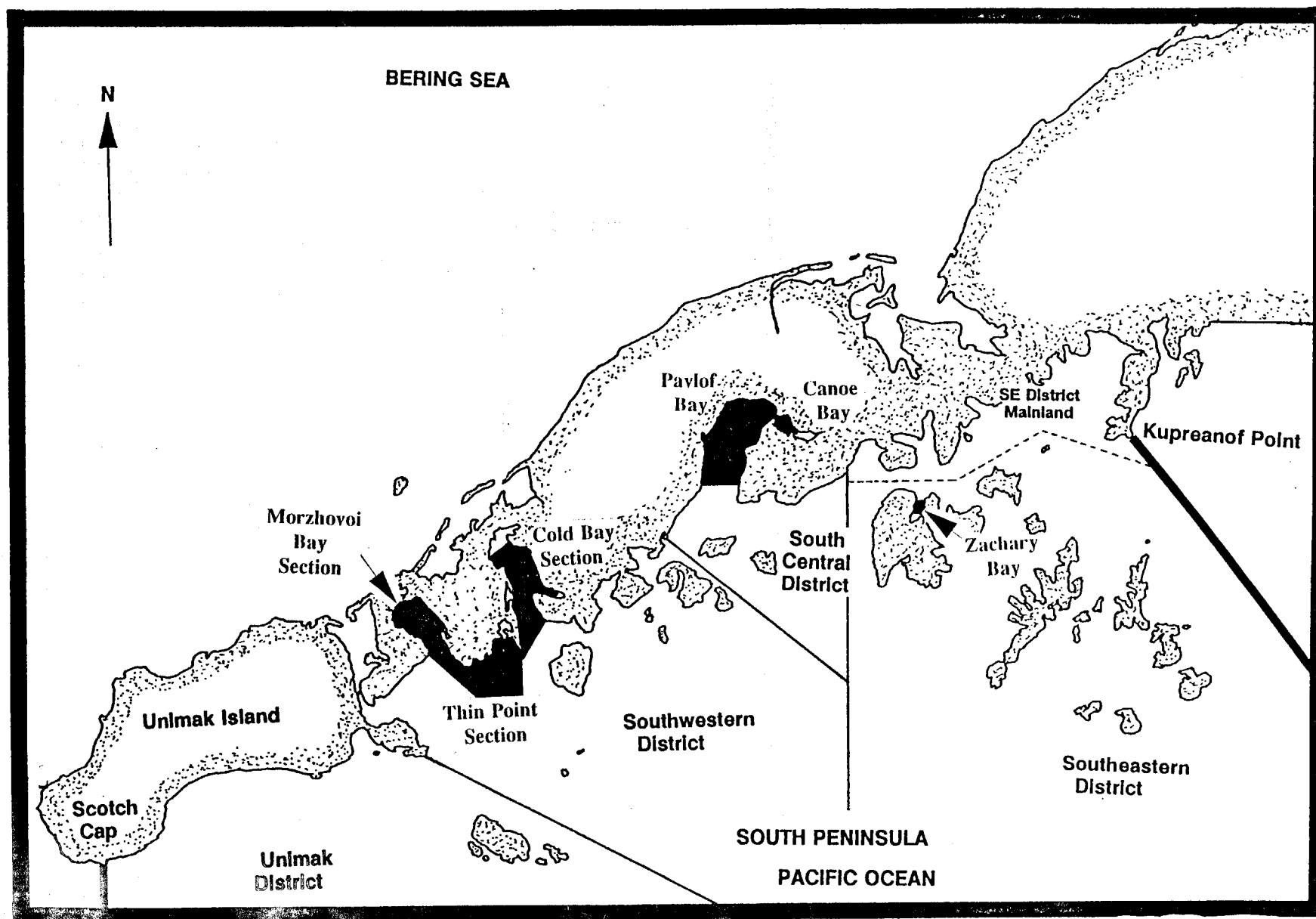


Figure 26. Map of the South Peninsula with those areas (Zachary Bay, Canoe Bay, Pavlof Bay, Cold Bay Section, Thin Point Section, and Morzhovoi Bay Section) allowed fishing periods during July 1-19 defined.

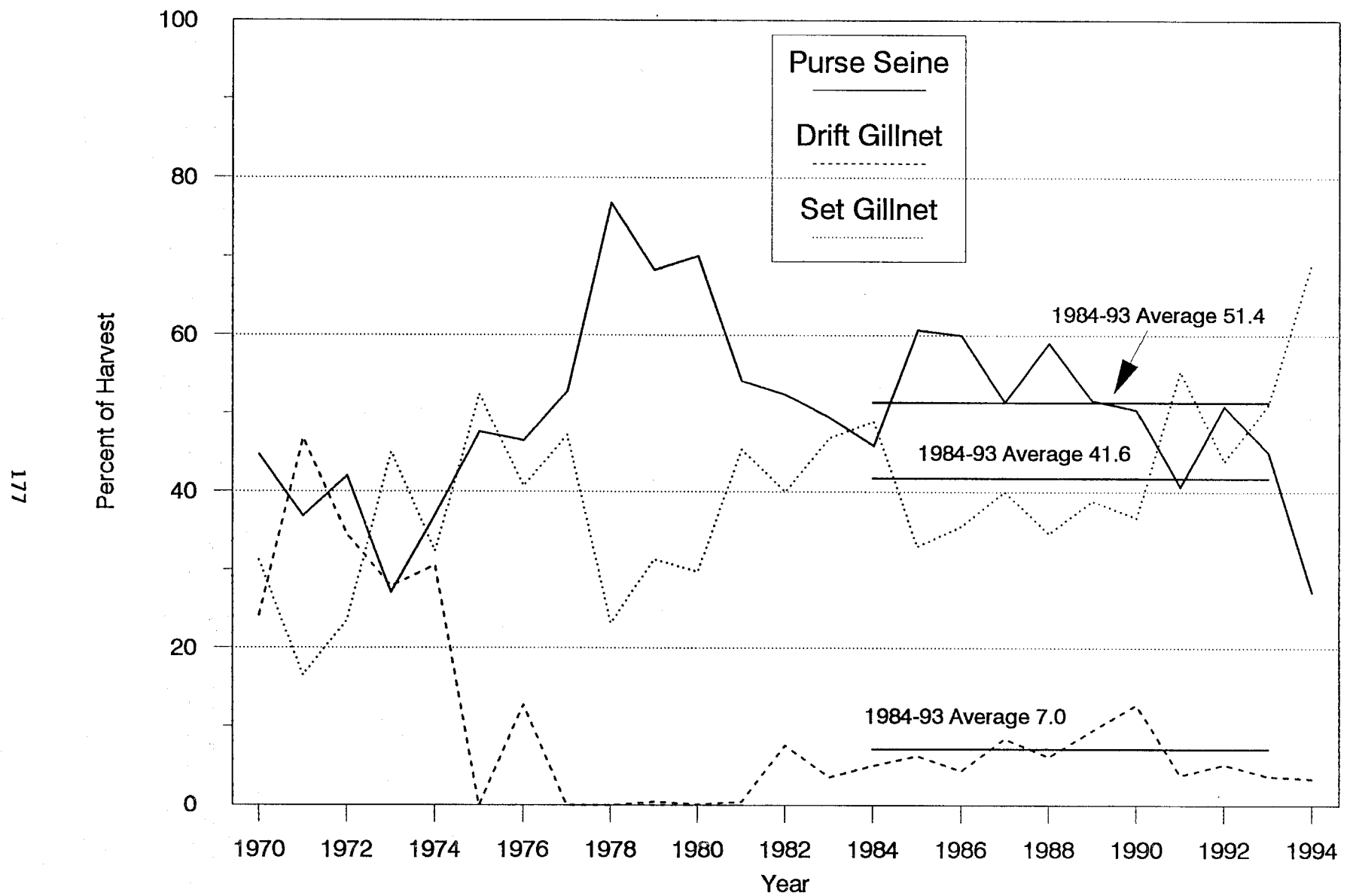


Figure 27. South Peninsula post June sockeye harvest by gear, 1970-94.

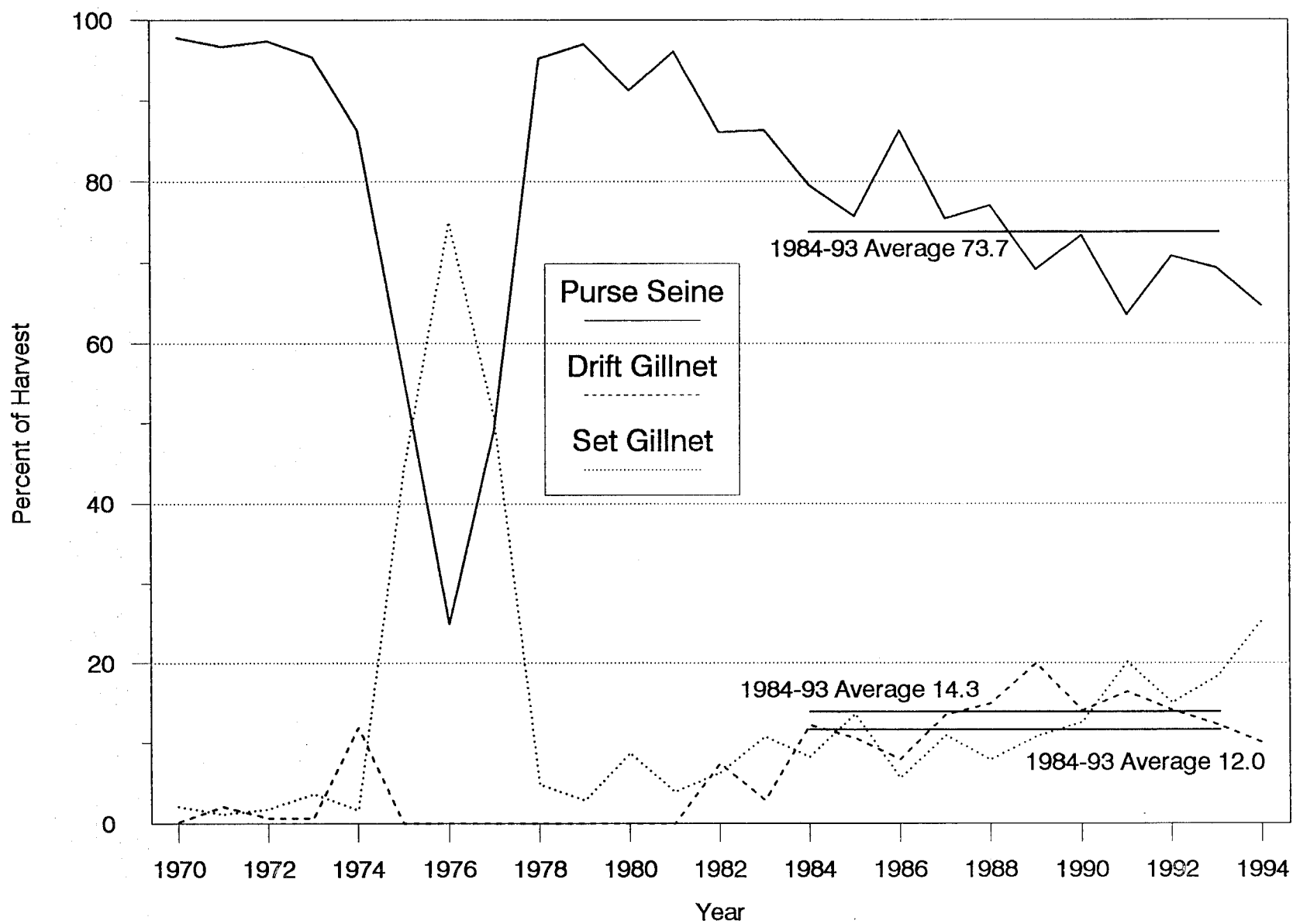


Figure 28. South Peninsula post June coho harvest by gear, 1970-94.



Figure 29. Chignik bound sockeye harvest in the Southeastern District Mainland fishery, through July 25, 1970-94.

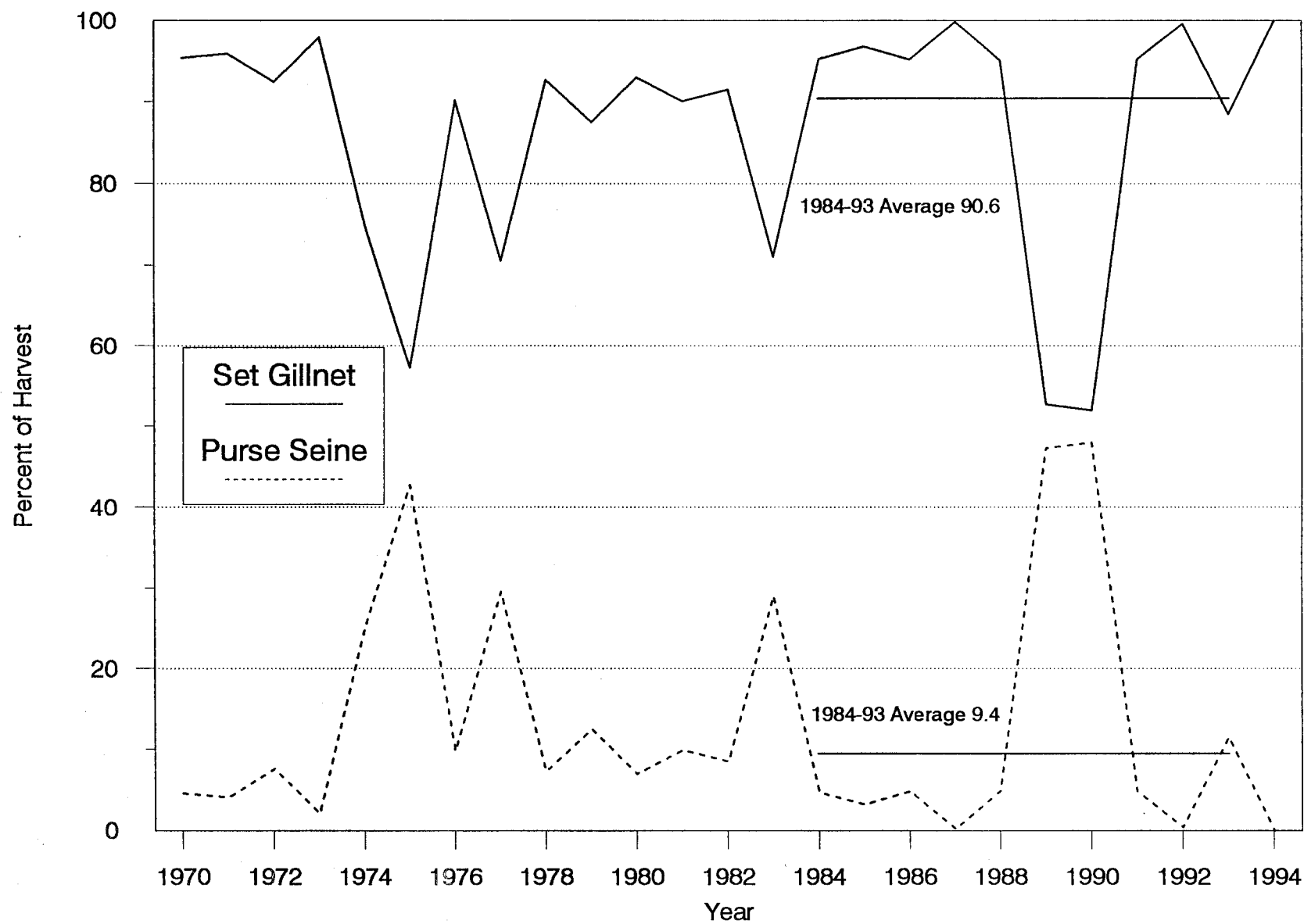


Figure 30. Southeastern District Mainland fishery sockeye harvest by gear, through July 25, 1970-94.

## **APPENDIX**

## APPENDIX A: EMERGENCY ORDER SUMMARY

Appendix A.1. South Peninsula emergency order summary, 1994.

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### EMERGENCY ORDER NO. 4-FS-M-CB-01-94

EFFECTIVE DATE: May 29, 1994.

EXPLANATION: This emergency order:

- 1) Delays the commercial salmon season until June 27 in the Uria Bay Section.
- 2) Reduces the weekly fishing period 48 hours to 6:00 a.m. Monday until 6:00 p.m. Wednesday in the Black Hills Section, May 29 through July 2.
- 3) Closes all Sanak Island waters to commercial salmon fishing through July 5. This includes all waters south of the latitude of Hague Rock (54 degrees 33 min. 12 sec. N. lat.) and east of the longitude of Cape Pankof (163 deg. 03 min. 35 sec. W. long.) south of the longitude of Hague Rock.

JUSTIFICATION: The early portion of the Uria Bay sockeye run has been weakened by intense early fishing pressure in the past. Delaying the fishery until June 27, or until the escapement justifies an earlier fishery, is necessary to rebuild the early portion of the run.

Black Hills Section chinook salmon runs have been declining during recent years. The escapement goals for Black Hills and Steelhead Creeks have been achieved only once since 1988. In order to achieve escapement goals, it is necessary to reduce exploitation during that time when chinook are vulnerable to commercial fishing.

The area around Sanak Island has produced high chum to sockeye ratios in the past. There is a limit to the number of chum salmon that can be taken in the South Unimak and Shumagin Island June Fisheries. This means that the Fishery will close before the sockeye allocation is reached if the chum limit is reached first.

Historically commercial salmon fishing records indicate a very limited to non-existent fishing effort around Sanak Island, although during 1990 and 1991, fishing interest has increased. Even though the fishing effort was light (i.e. less than four boats) the corresponding catch per unit of effort combined with the high chum per sockeye ratio could result in substantial numbers of chum salmon being harvested, if effort were to increase.

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**EMERGENCY ORDER NO. 4-F-M-SP-02-94**

EFFECTIVE DATE: 8:00 a.m. June 1, 1994

EXPLANATION: This emergency order defines the waters of Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake.

A definition of the waters of Orzinski Bay is needed for allocation purposes and for all fishers that operate in the mainland fishery. In 1993, ADF&G using a Global Positioning System (GPS) noted that the GPS definition of Waterfall and Elephant Points were substantially different from the definition of the points in the regulation book. This emergency order will correct the regulation book definition of the points.

**EMERGENCY ORDER NO. 4-FS-M-CB-05-94**

EFFECTIVE DATE: 6:00 a.m. June 17, 1994

EXPLANATION: A 6:00 a.m. until 3:00 p.m. commercial salmon fishing period is established for seine and drift gillnet gear in the South Unimak Fishery during Friday, June 17. A 6:00 a.m. until 10:00 p.m. fishing period is established for set gillnet gear in the South Unimak Fishery during Friday, June 17.

JUSTIFICATION: The South Unimak Fishery is allocated 2,938,000 sockeye salmon (a record high) under a management plan adopted by the Alaska Board of Fisheries. The South Unimak and Shumagin Islands June Fisheries are restricted by a 700,000 Alaska Board of Fisheries adopted chum salmon harvest ceiling. No fishing has occurred yet due to poor sockeye to chum ratios in test fishing in the Shumagin Islands and mediocre test fish results at South Unimak. The normal peak of the sockeye run past South Unimak is nearing and fishing time is needed for the fishermen to harvest their allocation. A 9 hour fishing period for seine and drift gillnet gear will allow the fishermen to test the run and harvest sockeye without catching an unacceptable high number of chum should the sockeye to chum ratio be poor (the tide conditions are not optimum for harvesting salmon). Set net gear is guaranteed 16 hour fishing period if the fishing periods for other gear types is less than 16 hours as listed under (g) in the Board of Fisheries adopted management plan.

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**EMERGENCY ORDER NO. 4-F-M-SP-06-94**

EFFECTIVE DATE: 6:00 a.m. June 18, 1994.

EXPLANATION: This emergency order allows a 3 hour salmon purse seine fishing period from 6:00 a.m. Saturday, June 18 until 9:00 a.m. Saturday, June 18 in the Shumagin Islands Section. This emergency order also allows a 16 hour salmon set gillnet fishing period from 6:00 a.m. Saturday, June 18 until 10:00 p.m., Saturday, June 18 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

The entire 648,000 Shumagin Islands Section sockeye salmon guideline harvest level remains to be harvested. The strong NW winds in the area have finally decreased in intensity. The June 17 test fishery resulted in a sockeye to chum salmon ratio of about 2.2 : 1.0.

A three hour purse seine fishing period from 6:00 a.m. Saturday, June 18 until 9:00 a.m. Saturday June 18 in the Shumagin Islands Section should give purse seine fishers the opportunity to catch enough fish to determine whether or not favorable sockeye to chum salmon ratios are realized. If favorable ratios are realized, the purse seine fishery could be extended. Purse seine effort during the three hour opening is expected to be light with about 12-15 purse seine permit holders participating in the Shumagin Islands.

Based upon subsection (g) of the June salmon management plan, set gillnet fishers will be allowed fishing periods of not less than 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest or exceeds the sockeye salmon allocation. Set gillnet fishers will have a 16 hour fishing period from 6:00 a.m. Saturday, June 18 until 10:00 p.m. Saturday June 18 in the Shumagin Islands Section.

**EMERGENCY ORDER NO. 4-FS-M-CB-06-94**

EFFECTIVE DATE: 3:00 p.m. June 18, 1994

EXPLANATION: This emergency order allows a 3:00 p.m. June 18 until 3:00 p.m. June 19 commercial salmon fishing period in the South Unimak Fishery.

JUSTIFICATION: The South Unimak Fishery is allocated 2,938,000 sockeye salmon under a management plan adopted by the Alaska Board of Fisheries. The South Unimak and Shumagin

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Islands June Fisheries are restricted by a 700,000 Alaska Board of Fisheries adopted chum salmon harvest ceiling. The total South Unimak sockeye harvest to date totals 136,000 and it is estimated that less than 60,000 chums have been harvested by both fisheries combined. The peak of the sockeye run at South Unimak should be nearing and sockeye to chum ratio in the Shumagin Islands test fishery indicates that the ratio at South Unimak will not improve before the majority of the sockeye run has past. A 24 hour fishing period at South Unimak beginning at 3:00 p.m. June 18 is necessary to allow fishermen to harvest part of their sockeye allocation while the total chum salmon harvest is far below the 700,000 cap.

**EMERGENCY ORDER NO. 4-F-M-SP-07-94**

EFFECTIVE DATE: 10:00 a.m. June 19, 1994.

EXPLANATION: This emergency order allows an 8 hour salmon purse seine fishing period from 10:00 a.m. Sunday, June 19 until 6:00 p.m. Sunday, June 19 in the Shumagin Islands Section. This emergency order also allows a 22 hour salmon set gillnet fishing period from 10:00 a.m. Sunday, June 19 until 8:00 a.m., Monday, June 20 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Preliminary purse seine catch figures for the June 18 period are 5,400 sockeye and 4,005 chum salmon from 16 deliveries; a ratio of 1.3 sockeye per chum salmon. Early reports indicate that the set gillnet catch which ends at 10:00 p.m. tonight will also be poor. Most of the 648,000 Shumagin Islands Section sockeye salmon guideline harvest level remains to be harvested.

An eight hour purse seine fishing period from 10:00 a.m. Sunday, June 19 until 6:00 p.m. Sunday June 19 in the Shumagin Islands Section should give purse seine fishers the opportunity to catch enough fish to determine whether or not favorable sockeye to chum salmon ratios are realized. A more favorable tide should be realized by starting the fishing period in mid-morning. If favorable salmon ratios are realized, the purse seine fishery could be extended. Purse seine effort during the eight hour fishing period is expected to be light with about 12-15 purse seine permit holders participating in the Shumagin Islands.

Based upon subsection (g) of the June salmon management plan, set gillnet fishers will be allowed fishing periods of not less than 16 hours, unless a fishing period over 16 hours will result in a harvest that exceeds the 700,000 chum salmon maximum incidental annual harvest or exceeds the sockeye salmon allocation. Set gillnet fishers will have a 22 hour fishing period

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from 10:00 a.m. Sunday, June 19 until 8:00 a.m. Monday June 20 in the Shumagin Islands Section. Set gillnet fishers are given a 22 hour period for safety reasons; they require adequate daylight hours to remove their gear, a closure after 16 hours would have caused them to remove their nets during the night.

**EMERGENCY ORDER NO. 4-FS-M-CB-07-94**

EFFECTIVE DATE: 3:00 p.m. June 19, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period 7 hours until 10:00 p.m. June 19 in that portion of the South Unimak Fishery located east of the Cape Lutke Section.

JUSTIFICATION: The South Unimak Fishery is allocated 2,938,000 sockeye salmon under a management plan adopted by the Alaska Board of Fisheries. The South Unimak and Shumagin Islands June Fisheries are restricted by a 700,000 Alaska Board of Fisheries adopted chum salmon harvest ceiling. The total South Unimak sockeye harvest to date totals 198,300 and it is estimated that less than 75,000 chums have been harvested by both fisheries combined. The sockeye run should be peaking at South Unimak. The sockeye to chum ratio during June 18 was 2.75 to 1, the results from the Shumagin Islands indicates this ratio will not improve before the peak of the sockeye run has past. Reports from the Cape Lutke Section indicated that numbers of chums were increasing and there were fishermen who felt the section should not be extended at this time. A 7 hour extension of the present fishing period in that portion of the South Unimak Fishery outside of the Cape Lutke Section will allow fishermen to harvest sockeye and should not result in a high chum catch.

**EMERGENCY ORDER NO. 4-F-M-SP-08-94**

EFFECTIVE DATE: 6:00 p.m. June 19, 1994.

EXPLANATION: This emergency order extends the salmon purse seine fishing period 18 hours from 6:00 p.m. Sunday, June 19 until 12:00 p.m., Noon, Monday, June 20 in the Shumagin Islands Section. This emergency order also extends the salmon set gillnet fishing period 4 hours from 8:00 a.m., Monday, June 20 until 12:00 p.m., Noon, in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

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Harvest figures for the June 18 period are 69 chinook, 13,872 sockeye, 14,535 pink and 4,858 chum salmon from 50 set gillnet and 16 purse seine deliveries; an overall ratio of 2.9 sockeye per chum salmon. Most of the 648,000 Shumagin Islands Section sockeye salmon guideline harvest level remains to be harvested.

Reports today indicate that both the volume of fish as well as the sockeye to chum salmon ratio has improved.

An eighteen hour extension to the purse seine fishing period and a four hour extension to the set gillnet fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation while favorable sockeye to chum salmon ratios are realized. These extensions will have both gear groups closing at the same time, 12:00 p.m., Noon, Monday, June 20.

Purse seine effort is expected to remain light with about 16 purse seine permit holders participating in the Shumagin Islands.

**EMERGENCY ORDER NO. 4-F-M-SP-09-94**

EFFECTIVE DATE: 12:00 p.m., Noon, June 20, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 10 hours from 12:00 p.m., Noon, Monday, June 20 until 10:00 p.m., Monday, June 20 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 19 period are 151,960 salmon composed of 310 chinook, 58,180 sockeye, 72,065 pink and 21,405 chum salmon from 39 set gillnet and 20 purse seine deliveries; a ratio of 2.7 sockeye per chum salmon. The total harvest to date is 185,294 salmon composed of 379 chinook, 72,052 sockeye, 86,600 pink, and 26,263 chum salmon; an overall ratio of 2.7 sockeye per chum salmon. About 576,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A ten hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

Purse seine effort is expected to remain light with about 20 purse seine permit holders participating in the Shumagin Islands.

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**EMERGENCY ORDER NO. 4-FS-M-CB-08-94**

EFFECTIVE DATE: 3:00 p.m. June 20, 1994

EXPLANATION: This emergency order establishes a 3:00 p.m. until 10:00 p.m. commercial salmon fishing period in the South Unimak Fishery during June 20.

JUSTIFICATION: Only 391,000 sockeye have been harvested out of the South Unimak allocation of 2,938,000. There is a 700,000 chum salmon harvest ceiling of on the South Unimak and Shumagin Islands June Fisheries combined. Through June 19, the combined chum salmon harvest is 148,000. Sockeye harvests have been low and sockeye to chum ratios mediocre. To date the wind has been light and generally off shore. The winds are predicted to blow southeast to 30 knots which is on-shore during the afternoon and night of June 20. This wind switch should push more salmon inshore and could greatly increase the sockeye harvest but could also push large numbers of chums inshore. A 7 hour fishing period should allow fishermen to test the sockeye abundance without harvesting too many chums.

**EMERGENCY ORDER NO. 4-FS-M-CB-09-94**

EFFECTIVE DATE: 10:00 p.m. June 20, 1994

EXPLANATION: This emergency order extends set gillnet fishing in the South Unimak Fishery 9 hours until 7:00 a.m. June 21.

JUSTIFICATION: Set gillnet fishermen are guaranteed 16 hour fishing periods by regulation when the fishing period for other gear is restricted to less than 16 hours due to concerns for reducing the chum harvest. At this time there is insufficient information to extend fishing by drift gillnet and seine gear beyond the present 7 hour period, therefore set gillnetting needs to be extended 9 hours.

**EMERGENCY ORDER NO. 4-FS-M-CB-10-94**

EFFECTIVE DATE: 7:00 a.m. June 21, 1994

EXPLANATION: This emergency order reopens that portion of the South Unimak Fishery located east of the Cape Lutke Section, from 7:00 a.m. until 3:00 p.m. during Tuesday June 21.

JUSTIFICATION: Recent information from the fleet fishing east of the Cape Lutke Section indicates that fishing is extremely poor and sockeye to chum ratios are slightly better than the previous period. It had already been announced that the present period would close to drift

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gillnet and seine gear at 10:00 p.m. June 20. Fishermen said they do better on the morning tide. A 7:00 a.m. opening will give fishermen the opportunity to fish the morning tide and will not result in a large chum catch based on the June 20 results. Insufficient sockeye to chum ratio information has been received from Cape Lutke to make a decision at this time.

**EMERGENCY ORDER NO. 4-FS-M-CB-11-94**

EFFECTIVE DATE: 11:00 a.m. June 21, 1994

EXPLANATION: This emergency order reopens the Cape Lutke Section to commercial fishing from 3:00 p.m. until 10:00 p.m. during June 21 and the commercial salmon fishing period is extended in the balance of the South Unimak fishery until 10:00 p.m. Tuesday June 21.

JUSTIFICATION: The sockeye to chum ratio at Cape Lutke was 3.4 to 1 during June 20 which is as good as in the balance of the fishery and there is no need to keep the Cape Lutke Section closed. The total South Unimak June 20 harvest was only 61,000 sockeye and 18,000 chums. The total to date South Unimak sockeye harvest is 452,000 , far below the allocation of 2,938,000. The combined South Unimak - Shumagin Islands chum harvest is 186,400 , far below the 700,000 chum salmon cap. More fishing time can be granted at this time to harvest sockeye without getting close to the chum cap.

**EMERGENCY ORDER NO. 4-F-M-SP-10-94**

EFFECTIVE DATE: 2:00 p.m. June 21, 1994.

EXPLANATION: This emergency order allows a 24 hour salmon purse seine and set gillnet fishing period from 2:00 p.m., Tuesday, June 21 until 2:00 p.m., Wednesday, June 22 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 20 period are 235,613 salmon composed of 382 chinook, 87,090 sockeye, 32 coho, 127,330 pink and 20,779 chum salmon from 56 set gillnet and 27 purse seine deliveries; a ratio of 4.2 sockeye per chum salmon. The total harvest to date is 420,907 salmon composed of 761 chinook, 159,142 sockeye, 32 coho, 213,930 pink, and 47,042 chum salmon; an overall ratio of 3.4 sockeye per chum salmon. About 489,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

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A 24 hour fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-12-94**

EFFECTIVE DATE: 10:00 p.m. June 21, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 22 in the South Unimak Fishery.

JUSTIFICATION: Fishermen report extremely low harvests and improving sockeye to chum ratios at South Unimak. The South Unimak Fishery is far below it's sockeye allocation and more fishing time is needed. The combined South Unimak - Shumagin chum harvest is less than 200,000 fish, far below the 700,000 cap.

**EMERGENCY ORDER NO. 4-F-M-SP-11-94**

EFFECTIVE DATE: 2:00 p.m. June 22, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Wednesday, June 22 until 2:00 p.m., Thursday, June 23 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 21 period are 32,738 salmon composed of 42 chinook, 8,799 sockeye, 4 coho, 19,813 pink and 4,080 chum salmon from 17 set gillnet and 21 purse seine deliveries; a ratio of 2.2 sockeye per chum salmon. The total harvest to date is 453,645 salmon composed of 803 chinook, 167,941 sockeye, 36 coho, 233,743 pink, and 51,122 chum salmon; an overall ratio of 3.3 sockeye per chum salmon. About 480,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

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**EMERGENCY ORDER NO. 4-FS-M-CB-14-94**

EFFECTIVE DATE: 3:00 p.m. June 22, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 22 in the South Unimak Fishery.

JUSTIFICATION: The June 21 South Unimak sockeye salmon harvest was 37,400 and the chum catch was 9,000. This was an extremely low catch for both species. The total South Unimak sockeye harvest to date is 489,000 while the combined South Unimak - Shumagin Islands chum harvest is 199,000. These harvests are far below the South Unimak sockeye allocation of 2,938,000 and the South Unimak - Shumagin chum harvest cap of 700,000. More fishing time is needed to catch sockeye. The chum catch should not be overly large with only a seven hour extension if the chum abundance increases.

**EMERGENCY ORDER NO. 4-FS-M-CB-15-94**

EFFECTIVE DATE: 10:00 p.m. June 22, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 23 in the South Unimak Fishery.

JUSTIFICATION: Fishermen are reporting a substantial increase in the number of sockeye landed in the South Unimak Fishery and a sockeye to chum ratios as high as 7 or 8 to 1. The total South Unimak sockeye harvest through June 21 is 489,000 which is far below the allocation of 2,938,000. The combined South Unimak - Shumagin chum catch through June 21 is 199,400 which is well under the 700,000 cap. More fishing time is needed for the fishermen to harvest their sockeye allocation.

**EMERGENCY ORDER NO. 4-F-M-SP-13-94**

EFFECTIVE DATE: 2:00 p.m. June 23, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Thursday, June 23 until 2:00 p.m., Friday, June 24 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

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Harvest figures for the June 22 period are 135,109 salmon composed of 332 chinook, 43,326 sockeye, 11 coho, 74,194 pink and 17,246 chum salmon from 58 set gillnet and 37 purse seine deliveries; a ratio of 2.5 sockeye per chum salmon. The total harvest to date is 588,754 salmon composed of 1,135 chinook, 211,267 sockeye, 47 coho, 307,937 pink, and 68,368 chum salmon; an overall ratio of 3.1 sockeye per chum salmon. About 437,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

**EMERGENCY ORDER NO. 4-F-M-SP-12-94**

EFFECTIVE DATE: 4:00 p.m. June 23, 1994.

EXPLANATION: This emergency order allows a 24 hour salmon fishing period from 4:00 p.m. Thursday, June 23, 1994 until 4:00 p.m. Friday, June 24, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 2:00 p.m. June 22, the sockeye escapement in Chignik is about 400,000 salmon, the first run escapement goal of 350,000 to 400,000 sockeye salmon is assured. Since 7:00 a.m. June 22, the hourly escapement has been about 5,000 salmon per hour.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. The fishery in Chignik has been extended until further notice. However, fishers in the Chignik Area are on strike.

At this time, ADF&G believes a harvest of at least 300,000 sockeye salmon in the Chignik Area by July 9, would be assured if fishers were participating in the fishery.

In the Kodiak Management Area, Cape Igvak will open to commercial salmon fishing at 12:01 a.m. June 24 for a 48 hour period.

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A 24 hour fishing period from 4:00 p.m. Thursday, June 23 until 4:00 p.m. Friday, June 24 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, only 30 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

**EMERGENCY ORDER NO. 4-FS-M-CB-17-94**

EFFECTIVE DATE: 3:00 p.m. June 23, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 23 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak harvest of sockeye salmon through June 22 is 602,000 which is only about 20 percent of the June allocation. The combined South Unimak - Shumagin June chum salmon harvest is 248,000 which is well under half of the 700,000 cap. The June 22 sockeye to chum ratio was 3.6 to 1. More fishing time can be allowed at this time without getting close to the chum cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-18-94**

EFFECTIVE DATE: 10:00 p.m. June 23, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 24 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 22 is 602,000 fish which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin chum harvest is 248,000 fish which is well below the 700,000 chum cap. Fishermen are reporting good sockeye to chum ratios. The fishing period needs to be extended so that the fleet can harvest sockeye when there is no danger of reaching the chum cap.

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**EMERGENCY ORDER NO. 4-F-M-SP-14-94**

EFFECTIVE DATE: 2:00 p.m. June 24, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Friday, June 24 until 2:00 p.m., Saturday, June 25 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 23 period are 132,140 salmon composed of 282 chinook, 39,996 sockeye, 2 coho, 75,480 pink and 16,380 chum salmon from 12 set gillnet and 37 purse seine deliveries; a ratio of 2.4 sockeye per chum salmon. The total harvest to date is 720,894 salmon composed of 1,417 chinook, 251,263 sockeye, 49 coho, 383,417 pink, and 84,748 chum salmon; an overall ratio of 3.0 sockeye per chum salmon. About 397,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-19-94**

EFFECTIVE DATE: 3:00 p.m. June 24, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 24 in the South Unimak Fishery.

JUSTIFICATION: The total South Unimak sockeye harvest through June 23 is 721,000 as compared to the South Unimak June allocation of 2,938,000 fish. The combined South Unimak - Shumagin chum salmon harvest is 294,000. More fishing time is needed to harvest the sockeye allocation and there is no danger of exceeding the 700,000 chum cap at this time.

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**EMERGENCY ORDER NO. 4-FS-M-CB-21-94**

EFFECTIVE DATE: 10:00 p.m. June 24, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 25 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak Sockeye harvest through June 23 was 721,000 which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands chum catch is 294,000 through June 23. Reports from the grounds indicate that fishing is very poor and the sockeye to chum ratio is similar to that of June 22. At this rate, there is no danger of coming close to the 700,000 South Unimak- Shumagin chum cap by 3:00 p.m. June 25 and fishing time is needed to harvest sockeye.

**EMERGENCY ORDER NO. 4-F-M-SP-16-94**

EFFECTIVE DATE: 2:00 p.m. June 25, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Saturday, June 25 until 2:00 p.m., Sunday, June 26 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 24 period are 86,773 salmon composed of 276 chinook, 30,117 sockeye, 16 coho, 43,802 pink and 12,562 chum salmon from 23 set gillnet and 29 purse seine deliveries; a ratio of 2.4 sockeye per chum salmon. The total harvest to date is 807,667 salmon composed of 1,693 chinook, 281,380 sockeye, 65 coho, 427,219 pink, and 97,310 chum salmon; an overall ratio of 2.9 sockeye per chum salmon. About 367,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

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**EMERGENCY ORDER NO. 4-FS-M-CB-22-94**

EFFECTIVE DATE: 3:00 p.m. June 25, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 25 in the South Unimak Fishery.

JUSTIFICATION: The total South Unimak sockeye harvest through June 24 is 776,600 which is far below the South Unimak June allocation of 2,938,000 fish. The combined South Unimak - Shumagin chum salmon harvest through June 24 is 325,000 fish, less than half of the 700,000 chum cap. The effort level is declining. More fishing time can be allowed at this time without getting close to the chum cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-23-94**

EFFECTIVE DATE: 10:00 p.m. June 25, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 26 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak Sockeye harvest through June 24 was 776,400 which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands chum catch is 325,000 through June 24. Reports from the grounds indicate that fishing is still slow and many boats have quit because of weather. Nearly all of the drift gillnet fleet and a few seiners have left South Unimak to fish on the North Peninsula. Sockeye to chum ratios are reported to be in the 2 or 3 to 1 range. Under these conditions, more fishing time can be allowed to harvest sockeye without coming close to the 700,000 chum cap.

**EMERGENCY ORDER NO. 4-F-M-SP-15-94**

EFFECTIVE DATE: 12:00 p.m. Sunday, June 26, 1994.

EXPLANATION: This emergency order allows a 24 hour salmon fishing period from 12:00 p.m., Noon, Sunday, June 26, 1994 until 12:00 p.m., Noon, Monday, June 27, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

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**JUSTIFICATION:** The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:00 p.m., midnight, June 24, the sockeye escapement in Chignik was about 601,130 salmon, the first run escapement goal of 350,000 to 400,000 sockeye salmon is assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. However, fishers in the Chignik Area were on strike and began fishing at 5:00 a.m. Saturday, June 25. The fishery in Chignik has been extended until further notice.

At this time, ADF&G believes a harvest of at least 300,000 sockeye salmon in the Chignik Area by July 9, will be assured and the early run may total about 1,300,000 sockeye salmon.

In the Kodiak Management Area, Cape Igvak opened to commercial salmon fishing at 12:01 a.m. June 24 for a 48 hour period.

Harvest figures for the first fishing period in the Southeastern District Mainland fishery are 28,876 salmon composed of 69 chinook, 26,126 sockeye, 6 coho, 1,244 pink, and 1,431 chum salmon. The Chignik destined portion of the catch totaled 20,901 sockeye salmon.

A 24 hour fishing period from 12:00 p.m., Noon, Sunday, June 26 until 12:00 p.m., Noon, Monday, June 27 in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, only 75 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

**EMERGENCY ORDER NO. 4-F-M-SP-17-94**

**EFFECTIVE DATE:** 2:00 p.m. Sunday, June 26, 1994.

**EXPLANATION:** This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Sunday, June 26 until 2:00 p.m., Monday, June 27 in the Shumagin Islands Section.

**JUSTIFICATION:** The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

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Harvest figures for the June 25 period are 112,923 salmon composed of 311 chinook, 32,987 sockeye, 34 coho, 64,051 pink and 15,540 chum salmon from 29 set gillnet and 33 purse seine deliveries; a ratio of 2.1 sockeye per chum salmon. The total harvest to date is 920,590 salmon composed of 2,004 chinook, 314,367 sockeye, 99 coho, 491,270 pink, and 112,850 chum salmon; an overall ratio of 2.8 sockeye per chum salmon. About 334,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-24-94**

EFFECTIVE DATE: 3:00 p.m. June 26, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 26 in the South Unimak Fishery.

JUSTIFICATION: The total South Unimak sockeye harvest through June 25 is 826,400 which is far below the South Unimak June allocation of 2,938,000 fish. The combined South Unimak-Shumagin chum salmon harvest through June 25 is 361,000 fish, well below the 700,000 chum cap. The effort level is declining. More fishing time can be allowed at this time without getting close to the chum cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-25-94**

EFFECTIVE DATE: 10:00 p.m. June 26, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 27 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak sockeye harvest through June 25 was 826,400 which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands chum harvest through June 25 is 361,000. Reports from the grounds indicate that fishing during June 26 is very slow and the sockeye to chum ratio is similar to that of the previous day. Fishing effort had declined to a very low level due to poor fishing and nearly all of the drift gillnet fleet has moved to the North Peninsula. More fishing time can be allowed to harvest sockeye without coming close to the 700,000 chum cap.

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**EMERGENCY ORDER NO. 4-F-M-SP-18-94**

EFFECTIVE DATE: 12:00 p.m. Noon, June 27, 1994.

EXPLANATION: This emergency order extends the salmon set gillnet fishing period 7 hours from 12:00 p.m., Noon, Monday, June 27, 1994 until 7:00 p.m., Monday, June 27, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:00 p.m., midnight, June 26, the sockeye escapement in Chignik was about 649,078 salmon, the first run escapement goal of 350,000 to 400,000 sockeye salmon is assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. However, fishers in the Chignik Area were on strike and began fishing at 5:00 a.m. Saturday, June 25. The fishery in Chignik has been extended until further notice.

At this time, ADF&G estimates in the Chignik Area through June 26, a sockeye salmon harvest (including over-escapement due to a strike) of 551,952 salmon; 73.9 percent of the Chignik stock total harvest.

In the Kodiak Management Area, Cape Igvak opened to commercial salmon fishing at 12:01 a.m. June 24. The catch of Chignik destined sockeye salmon through June 26 is an estimated 162,690 salmon; 21.8 percent of the Chignik stock total harvest.

Harvest figures through June 26 in the Southeastern District Mainland fishery are 44,071 salmon composed of 83 chinook, 40,806 sockeye, 13 coho, 1,389 pink, and 1,780 chum salmon. The Chignik destined portion of the catch totaled 32,645 sockeye salmon; 4.4 percent of the Chignik stock total harvest.

A 7 hour extension to the fishing period in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, only 353 salmon have

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passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

**EMERGENCY ORDER NO. 4-F-M-SP-19-94**

EFFECTIVE DATE: 2:00 p.m. June 27, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Monday, June 27 until 2:00 p.m., Tuesday, June 28 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 26 period are 133,464 salmon composed of 272 chinook, 38,916 sockeye, 21 coho, 82,238 pink and 12,017 chum salmon from 20 set gillnet and 33 purse seine deliveries; a ratio of 3.2 sockeye per chum salmon. The total harvest to date is 1,054,054 salmon composed of 2,276 chinook, 353,283 sockeye, 120 coho, 573,508 pink, and 124,867 chum salmon; an overall ratio of 2.8 sockeye per chum salmon. About 295,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

**EMERGENCY ORDER NO. 4-FS-M-CB-26-94**

EFFECTIVE DATE: 3:00 p.m. June 27, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 27, in the South Unimak Fishery.

JUSTIFICATION: The total South Unimak sockeye harvest through June 26 is 870,300 which is far below the South Unimak June allocation of 2,938,000 fish. The combined South Unimak-Shumagin chum salmon harvest through June 25 is 392,800 fish, well below the 700,000 chum cap. The effort level is declining. More fishing time can be allowed at this time without getting close to the chum cap.

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**EMERGENCY ORDER NO. 4-F-M-SP-20-94**

EFFECTIVE DATE: 7:00 p.m. June 27, 1994.

EXPLANATION: This emergency order extends the salmon set gillnet fishing period 19 hours from 7:00 p.m., Monday, June 27, 1994 until 2:00 p.m., Tuesday, June 28, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:00 p.m., midnight, June 26, the sockeye escapement in Chignik was about 649,078 salmon, the first run escapement goal of 350,000 to 400,000 sockeye salmon is assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. However, fishers in the Chignik Area were on strike and began fishing at 5:00 a.m. Saturday, June 25. The fishery in Chignik has been extended until further notice. At this time, ADF&G expects that the harvest in the Chignik Area will continue to be strong through June 30.

In the Kodiak Management Area, Cape Igvak opened to commercial salmon fishing at 12:01 a.m. June 24. The catch of Chignik destined sockeye salmon through June 27 is also expected to be strong.

Harvest figures through June 26 in the Southeastern District Mainland fishery are 44,071 salmon composed of 83 chinook, 40,806 sockeye, 13 coho, 1,389 pink, and 1,780 chum salmon.

A 19 hour extension to the fishing period in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, only 353 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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**EMERGENCY ORDER NO. 4-FS-M-CB-27-94**

EFFECTIVE DATE: 10:00 p.m. June 27, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 17 hours until 3:00 p.m. June 28 in the South Unimak Fishery.

JUSTIFICATION: The South Unimak Sockeye harvest through June 26 was 870,300 fish which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands chum harvest through June 26 is 392,800. Reports from the grounds indicate that fishing during June 26 is very slow and the sockeye to chum ratio is similar to that of the previous day. Fishing effort had declined to a very low level due to poor fishing and nearly all of the drift gillnet fleet has moved to the North Peninsula. More fishing time can be allowed to harvest sockeye without coming close to the 700,000 chum cap.

**EMERGENCY ORDER NO. 4-F-M-SP-21-94**

EFFECTIVE DATE: 2:00 p.m. June 28, 1994.

EXPLANATION: This emergency order extends the salmon set gillnet fishing period 6 hours from 2:00 p.m., Tuesday, June 28, 1994 until 8:00 p.m., Tuesday, June 28, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:00 p.m., midnight, June 27, the sockeye escapement in Chignik was about 656,379 salmon, the first run escapement goal of 350,000 to 400,000 sockeye salmon is assured.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. However, fishers in the Chignik Area were on strike and began fishing at 5:00 a.m. Saturday, June 25. The fishery in Chignik has been extended until further notice. At this time, ADF&G expects that the harvest in the Chignik Area will continue to be strong through June 30.

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In the Kodiak Management Area, Cape Igvak opened to commercial salmon fishing at 12:01 a.m. June 24. The catch of Chignik destined sockeye salmon through June 27 is also expected to be strong.

Harvest figures through June 27 in the Southeastern District Mainland fishery are 70,204 salmon composed of 120 chinook, 65,303 sockeye, 22 coho, 2,039 pink, and 2,720 chum salmon.

A 6 hour extension to the fishing period in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run usually does not begin until the end of June. Currently, only 499 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

#### **EMERGENCY ORDER NO. 4-F-M-SP-22-94**

EFFECTIVE DATE: 2:00 p.m. June 28, 1994.

EXPLANATION: This emergency order extends the salmon purse seine and set gillnet fishing period 24 hours from 2:00 p.m., Tuesday, June 28 until 2:00 p.m., Wednesday, June 29 in the Shumagin Islands Section.

JUSTIFICATION: The Shumagin Islands Section fishery is managed on the basis of Bristol Bay sockeye salmon prior to July 1 as described under 5 AAC 09.365.

Harvest figures for the June 27 period are 105,407 salmon composed of 239 chinook, 30,822 sockeye, 31 coho, 56,373 pink and 17,942 chum salmon from 17 set gillnet and 34 purse seine deliveries; a ratio of 1.7 sockeye per chum salmon. The total harvest to date is 1,159,461 salmon composed of 2,515 chinook, 384,105 sockeye, 151 coho, 629,881 pink, and 142,809 chum salmon; a overall ratio of 2.7 sockeye per chum salmon. About 264,000 sockeye salmon remain to be harvested from the Shumagin Islands Section June sockeye salmon guideline harvest.

A 24 hour extension to the fishing period in the Shumagin Islands Section should give fishers the opportunity to catch a portion of the sockeye allocation without exceeding the chum salmon cap.

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**EMERGENCY ORDER NO. 4-FS-M-CB-28-94**

EFFECTIVE DATE: 3:00 p.m. June 28, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seven hours until 10:00 p.m. June 28 in that portion of the South Unimak Fishery located east of the Cape Lutke Section.

JUSTIFICATION: The reported South Unimak harvest of sockeye through June 27 is 924,000 fish, well below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands reported chum salmon harvest is 446,500. However, some boats at Cape Lutke where high catches occurred are holding their fish in refrigerated sea water and have not yet delivered. Sockeye to chum ratios reported so far are poor at Cape Lutke, approximately one to one. Catches were light with high sockeye to chum ratios east of the Cape Lutke Section and more fishing time can be allowed there without reaching the 700,000 chum cap. The Cape Lutke Section should remain closed until the catch is completely tallied.

**EMERGENCY ORDER NO. 4-FS-M-CB-29-94**

EFFECTIVE DATE: 10:00 p.m. June 28, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time seventeen hours until 3:00 p.m. June 29 in that portion of the South Unimak Fishery located east of the Cape Lutke Section.

JUSTIFICATION: The reported South Unimak harvest of sockeye through June 27 is 924,000 fish, well below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands reported chum harvest is 446,500. However, some boats at Cape Lutke where high catches occurred are holding their fish in refrigerated sea water and have not yet delivered. Sockeye to chum ratios reported so far are poor at Cape Lutke, approximately one to one. Catches continue to be light with high sockeye to chum ratios east of the Cape Lutke Section and more fishing time can be allowed there without reaching the 700,000 chum cap. The Cape Lutke Section should remain closed until the catch is completely tallied.

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**EMERGENCY ORDER NO. 4-FS-M-CB-30-94**

EFFECTIVE DATE: 6:00 a.m. June 30, 1994

EXPLANATION: This emergency order establishes a 9:00 a.m. until 9:00 p.m. commercial salmon fishing period for seine and drift gillnet gear and a 6:00 a.m. until 10:00 p.m. commercial salmon fishing period for set gillnet gear in that portion of the South Unimak Fishery east of the Cape Lutke Section during June 30.

JUSTIFICATION: The South Unimak sockeye harvest through June 28 is 996,300 fish, which is approximately 34 percent of the June allocation. The combined South Unimak - Shumagin Islands chum salmon harvest is 534,800 which is 165,200 fish below the 700,000 cap. The combined chum harvest during June 28 was 88,300 fish, of which approximately half came from the Cape Lutke Section. Due to the high chum abundance in the Cape Lutke Section, no more fishing time will be allowed there during June. To conserve chum salmon, the Commissioner is directing the Department of Fish and Game to only allow 12 more hours of fishing time in the South Unimak Fishery east of the Cape Lutke Section. Set gillnet gear is guaranteed a 16 hour fishing period when the other gear types are restricted to less than 16 hours due to conservation concerns.

**EMERGENCY ORDER NO. 4-F-M-SP-23-94**

EFFECTIVE DATE: 6:00 a.m. June 30, 1994.

EXPLANATION: This emergency order allows a 6 hour salmon purse seine fishing period from 6:00 a.m., Thursday, June 30, 1994 until 12:00 p.m., Noon, Thursday, June 30, 1994 in the Shumagin Islands Section. This emergency order also allows a 16 hour salmon set gillnet fishing period from 6:00 a.m., Thursday, June 30, 1994 until 10:00 p.m., Thursday, June 30, 1994 in the Shumagin Islands Section.

JUSTIFICATION: Based on the current sockeye to chum salmon ratio in the Shumagin Islands Section (June 28 ratio of 1.57 : 1.0), and the total chum salmon harvest (through June 28 the combined South Unimak and Shumagin Islands fisheries chum harvest is an estimated 534,824 salmon) the department has been instructed to conserve chum salmon returns by allowing only a 6 hour fishing period for purse seine gear and a 16 hour fishing period for set gillnet gear in the Shumagin Island Section during June 30.

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**EMERGENCY ORDER NO. 4-F-M-SP-24-94**

EFFECTIVE DATE: 12:00 p.m. Noon, June 30, 1994.

EXPLANATION: This emergency order extends the salmon purse seine fishing period 2 hours from 12:00 p.m., Noon, Thursday, June 30, 1994 until 2:00 p.m., Thursday, June 30, 1994 in the Shumagin Islands Section.

JUSTIFICATION: Based on the current sockeye to chum salmon ratio in the Shumagin Islands Section (June 29 ratio of 1.28 : 1.0), and the total chum salmon harvest (through June 29 the combined South Unimak and Shumagin Islands fisheries chum harvest is an estimated 561,550 salmon; 138,450 chum salmon remain on the chum salmon cap) the department has been instructed to conserve chum salmon returns by allowing only a 2 hour extension to the current fishing period for purse seine gear in the Shumagin Island Section during June 30.

**EMERGENCY ORDER NO. 4-F-M-SP-25-94**

EFFECTIVE DATE: 2:00 p.m. June 30, 1994.

EXPLANATION: This emergency order extends the salmon purse seine fishing period 10 hours from 2:00 p.m., Thursday, June 30, 1994 until 12:00 a.m., Midnight, Thursday, June 30, 1994 in the Shumagin Islands Section. This emergency order also extends the salmon set gillnet fishing period 2 hours from 10:00 p.m., Thursday, June 30, 1994 until 12:00 a.m., Midnight, Thursday, June 30, 1994 in the Shumagin Islands Section.

JUSTIFICATION: Based on the current sockeye to chum salmon ratio in the Shumagin Islands Section (several purse seine permit holders indicated a sockeye to chum salmon ratio similar or better than the June 29 ratio of 1.28 : 1.0), and the total chum salmon harvest (through June 29 the combined South Unimak and Shumagin Islands fisheries chum harvest is an estimated 561,550 salmon; 138,450 chum salmon remain on the chum salmon cap and several purse seine permit holders indicated that the volume of fish today was poor); the department has extended the Shumagin Islands Section purse seine fishing period an additional 10 hours and the set gillnet fishing period an additional 2 hours (both gears are scheduled to close at midnight, June 30).

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**EMERGENCY ORDER NO. 4-FS-M-CB-32-94**

EFFECTIVE DATE: 9:00 p.m. June 30, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time two hours until midnight June 30 for set gillnet gear and three hours until midnight June 30 for seine and drift gillnet gear in that portion of the South Unimak Fishery east of the Cape Lutke Section.

JUSTIFICATION: The South Unimak sockeye harvest through June 29 is 1,012,300 fish which is far below the 2,938,000 allocation. The combined South Unimak - Shumagin Islands chum salmon harvest of 561,600 is 138,400 fish below the 700,000 chum cap. To conserve chum salmon, the Commissioner of Fish and Game directed the Department of Fish and Game to allow one more fishing period of 12 hours duration on June 30. The fishing period was announced to be from 9:00 a.m. until 9:00 p.m. (high water to high water) for seine and drift gillnet gear. Set gillnet gear was allowed to fish from 6:00 a.m. until 10:00 p.m. as that gear type is guaranteed a 16 hours fishing period when the other gear types are restricted to less than 16 hours to conserve chums. During the fishery, it was decided by the headquarters staff of the Alaska Department of Fish and Game in Juneau to allow additional fishing time until midnight if it appeared that the chum abundance and sockeye to chum ratio was similar to that of June 29. Reports from the grounds indicate the sockeye to chum ratio is similar to that of the previous day and fishing is slow due to not many fish and high winds. Fishing can be allowed for the remainder of June 30 without harvesting an excessive number of chums. The Cape Lutke Section is closed because of the chum abundance there.

**EMERGENCY ORDER NO. 4-FS-M-CB-35-94**

EFFECTIVE DATE: 7:00 a.m. July 6, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. until 9:00 p.m. commercial salmon fishing period during July 6 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.
7. Stepovak Flats Section

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The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and those waters within 500 yards of all other salmon streams emptying into Thin Point Cove.

JUSTIFICATION: South Peninsula sockeye and chum salmon should be entering locations where the Post June Salmon Management Plan for the Southern Alaska Peninsula allows fishing, outside of the Southeastern District Mainland. A short opening at this time will allow the fleet to harvest salmon and test run strength. A strong sockeye run is anticipated into Thin Point Lake and fishing area is needed to test the run.

**EMERGENCY ORDER NO. 4-FS-M-CB-39-94**

EFFECTIVE DATE: 9:00 p.m. July 6, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. July 7 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point .
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

JUSTIFICATION: South Peninsula sockeye and chum salmon should be entering locations where the Post June Salmon Management Plan for the Southern Alaska Peninsula allows fishing, outside of the Southeastern District Mainland. A short opening at this time will allow the fleet to harvest salmon and test run strength.

A price dispute kept the fleet from fishing most of the area open during July 6. The purpose of allowing a fishing period in the Stepovak Flats Section was to test the chum run, however the effort consisted only of set gillnet gear targeting sockeye which count against the Southeastern District mainland allocation of Chignik destined sockeye.

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**EMERGENCY ORDER NO. 4-F-M-SP-26-94**

EFFECTIVE DATE: 10:00 a.m. July 9, 1994.

EXPLANATION: This emergency order allows a 37 hour salmon set gillnet fishing period from 10:00 a.m., Saturday, July 9, 1994 until 11:00 p.m., Sunday, July 10, 1994 in the Southeastern District Mainland area: East Stepovak, Stepovak Flats, Northwest Stepovak (except for Orzinski Bay: all waters in Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.), Southwest Stepovak, Balboa Bay, and Beaver Bay Sections.

JUSTIFICATION: The Southeastern District Mainland fishery is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360.

As of 12:00 p.m., midnight, July 7, the sockeye escapement in Chignik was about 673,804 salmon, the first run sockeye escapement goal has been assured and the second run escapement goal is meeting current escapement objectives.

In the Chignik Management Area, the Chignik Bay, Eastern, and Central Districts opened to commercial salmon fishing at 4:00 p.m. June 21. The fishery in Chignik has been extended until further notice. At this time, ADF&G expects that the harvest in the Chignik Area will continue to be strong through July 12. Harvest figures for the Chignik Area through July 6 are an estimated 852,000 salmon.

In the Kodiak Management Area, Cape Igvak opened to commercial salmon fishing on June 24. The catch of Chignik destined sockeye salmon through July 6 is an estimated 215,685 salmon.

Harvest figures through July 7 in the Southeastern District Mainland fishery are 98,808 salmon composed of 165 chinook, 91,694 sockeye, 30 coho, 3,269 pink, and 3,650 chum salmon. The catch of Chignik destined sockeye salmon through July 6 is an estimated 73,355 salmon or 5.0 percent of the total Chignik harvest.

A 37 hour fishing period in the Southeastern District Mainland area will give fishers the opportunity to catch their allocation (7% of the total Chignik destined harvest prior to July 26).

Orzinski Bay is managed on the strength of the sockeye salmon run into Orzinski Lake. The Orzinski Lake run July 9 escapement goal is 5,000 salmon. Currently, only 1,213 salmon have passed through the Orzinski Lake weir, therefore Orzinski Bay will remain closed to commercial salmon fishing.

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**EMERGENCY ORDER NO. 4-F-M-SP-27-94**

EFFECTIVE DATE: 7:00 a.m. July 11, 1994

EXPLANATION: This emergency order allows a 14 hour salmon set gillnet and purse seine fishing period from 7:00 a.m., Monday, July 11, 1994 until 9:00 p.m., Monday, July 11, 1994 in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. The area is open to both set gillnet and purse seine fishers after July 10.

As of 12:00 p.m., midnight, July 9, the sockeye escapement past Orzinski weir was 7,747 salmon, the July 9 escapement goal of 5,000 salmon has been exceeded and the third goal of 10,000 sockeye salmon by July 16 will likely be exceeded. During the morning of July 10 an additional 1,100 sockeye salmon went through the weir. A 14 hour fishing period in conjunction with a previously announced period during Monday July 11 from 7:00 a.m. to 9:00 p.m. in other portions of the South Peninsula will allow fishers to harvest salmon that are excess to escapement requirements.

**EMERGENCY ORDER NO. 4-FS-M-CB-42-94**

EFFECTIVE DATE: 7:00 a.m. July 11, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. until 9:00 p.m. commercial salmon fishing period during July 11 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

JUSTIFICATION: Sockeye, pink and chum salmon are entering South Peninsula systems. A 14 hour fishing period on July 11 will enable fishermen to test run strength.

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**EMERGENCY ORDER NO. 4-FS-M-CB-44-94**

EFFECTIVE DATE: 9:00 p.m. July 11, 1994.

EXPLANATION: This emergency order extends commercial fishing time 24 hours until 9:00 p.m. July 12 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

JUSTIFICATION: Due to a price dispute, fishing effort during the present fishing period consisted of only 10 - 12 set gillnet vessels. With this low level of gear, more fishing time can be allowed without jeopardizing the resource. Local sockeye, pink and chum salmon stocks are entering the open locations.

**EMERGENCY ORDER NO. 4-F-M-SP-28-94**

EFFECTIVE DATE: 9:00 p.m. July 11, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period 114 hours until 3:00 p.m., Saturday, July 16, 1994 in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. Orzinski Bay is managed on the basis of the local sockeye salmon return to Orzinski Lake.

As of 12:00 p.m., midnight, July 10, the sockeye escapement past Orzinski weir was 10,229 salmon. During the morning of July 11 an additional 1,500 salmon were counted through the weir and another 100 salmon were observed downstream from the weir.

The July 16 sockeye escapement goal of 10,000 salmon is assured. Continuous salmon fishing through July 16 is needed to harvest salmon that are excess to escapement requirements.

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**EMERGENCY ORDER NO. 4-FS-M-CB-45-94**

EFFECTIVE DATE: 7:00 a.m. July 14, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. until 9:00 p.m. commercial salmon fishing period during July 14 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and those waters within 500 yards of all other salmon streams emptying into Thin Point Cove.

JUSTIFICATION: South Peninsula sockeye and chum salmon are entering locations where the Post June Salmon Management Plan for the Southern Alaska Peninsula allows fishing, outside of the Southeastern District Mainland. A short opening at this time will allow the fleet to harvest salmon and test run strength. A strong sockeye run is anticipated into Thin Point Lake and fishing area is needed to test the run while there are no minus tides which can cause large numbers of fish to back-out of the lagoon and into the fishery.

**EMERGENCY ORDER NO. 4-FS-M-CB-47-94**

EFFECTIVE DATE: 9:00 p.m. July 14, 1994.

EXPLANATION: This emergency order extends commercial fishing time 48 hours until 9:00 p.m. July 16 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section
5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

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**JUSTIFICATION:** Due to a price dispute, fishing effort during the present fishing period consisted of only 10 - 12 set gillnet vessels. With this low level of gear, more fishing time can be allowed without jeopardizing the resource. Local sockeye, pink and chum salmon stocks are entering the open locations. Escapements into early systems are good for this date.

**EMERGENCY ORDER NO. 4-F-M-SP-29-94**

EFFECTIVE DATE: 3:00 p.m. July 16, 1994.

**EXPLANATION:** This emergency order extends the commercial salmon fishing period 120 hours until 3:00 p.m., Thursday, July 21, 1994 in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

**JUSTIFICATION:** The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. Orzinski Bay is managed on the basis of the local sockeye salmon return to Orzinski Lake.

As of 12:00 p.m., midnight, July 14, the sockeye escapement past Orzinski weir was 15,181 salmon: 14,483 adults and 698 jacks. During the morning of July 15 an additional 250 salmon were counted through the weir.

The July 16 sockeye escapement goal of 10,000 salmon is assured and the July 23 sockeye escapement goal of 15,000 adult salmon is expected to be exceeded. Continuous salmon fishing through July 21 is needed to harvest salmon that are excess to escapement requirements.

**EMERGENCY ORDER NO. 4-FS-M-CB-48-94**

EFFECTIVE DATE: 9:00 p.m. July 16, 1994.

**EXPLANATION:** This emergency order extends commercial fishing time 48 hours until 9:00 p.m. July 18 in the following locations:

1. Morzhovoi Bay Section
2. Thin Point Section
3. Cold Bay Section
4. Canoe Bay Section

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5. That portion of the Pavlof Bay Section located north of 55 deg. 24 min. 34 sec. N lat. the latitude of Black Point.
6. Zachary Bay located south of 55 deg. 22 min. 39 sec. N lat.

JUSTIFICATION: Due to a price dispute, fishing effort during the present fishing period consisted of only 10 - 12 set gillnet vessels. With this low level of gear, more fishing time can be allowed without jeopardizing the resource. Local sockeye, pink and chum salmon stocks are entering the open locations. Escapements into early systems are good for this date. Weather is presently preventing fishing in some locations.

**EMERGENCY ORDER NO. 4-F-M-SP-30-94**

EFFECTIVE DATE: 4:00 p.m. July 17, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period until 3:00 p.m., Thursday, July 28, 1994 in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

This emergency order also reduces the closed waters at Orzinski River to the stream terminus at the ocean shoreline effective 4:00 p.m. Sunday, July 17, 1994 through 3:00 p.m. Thursday, July 28, 1994.

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. Orzinski Bay is managed on the basis of the local sockeye salmon return to Orzinski Lake.

As of 12:00 p.m., midnight, July 16, the sockeye escapement past Orzinski weir was 20,391 salmon: 19,362 adults and 1,029 jacks; the sex ratio is nearly even.

The July 23 sockeye escapement goal of 15,000 salmon is assured and the August 7 sockeye escapement goal of 20,000 adult salmon is expected to be exceeded. Continuous salmon fishing through July 28 is needed to harvest salmon that are excess to escapement requirements.

Moving the markers to the stream terminus at the ocean shoreline will also allow fishers to harvest salmon that are excess to escapement requirements.

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**EMERGENCY ORDER NO. 4-FS-M-CB-51-94**

EFFECTIVE DATE: 7:00 a.m. July 20, 1994

EXPLANATION: This emergency order establishes a 7:00 a.m. July 20 until 9:00 p.m. July 22 commercial salmon fishing period in the Shumagin Islands Section, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

JUSTIFICATION: A pink salmon harvest of seven million fish is projected for the South Peninsula. The run should arrive in strength by July 20 and fishing time is needed to test run strength and harvest pink salmon while quality is at its best. Test fishing in the Shumagin Islands indicates the number of immature salmon are low and should not be a problem.

**EMERGENCY ORDER NO. 4-FS-M-CB-54-94**

EFFECTIVE DATE: 9:00 p.m. July 22, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 p.m. July 24 in the Shumagin Islands Section, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

JUSTIFICATION: A pink salmon harvest of seven million fish is projected for the South Peninsula. The run should arrive in strength at the capes at this time. Seiners are presently on strike and the gillnet catches are not having an impact on the pink salmon run, although they are indicating a large number of pink salmon present. More fishing time is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-55-94**

EFFECTIVE DATE: 9:00 p.m. July 24, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 p.m. July 26 in the Shumagin Islands Section, South Central District, Southwestern District, Sanak Island Section and Otter Cove Section.

JUSTIFICATION: The South Peninsula pink salmon harvest is projected to be seven million fish. Until today, a price dispute resulted in no fishing activity by seiners. Catches by gillnetters indicate a large abundance of pink salmon and escapements into early producing systems are very good for this date. More fishing time is needed to harvest the resource.

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**EMERGENCY ORDER NO. 4-FS-M-CB-58-94**

EFFECTIVE DATE: July 26, 1994

EXPLANATION: This emergency order allows commercial salmon fishing up to the terminus at the ocean shoreline of Eastern Creek on Deer Island effective July 26 through August 31.

JUSTIFICATION: A total of 25,900 pink salmon are estimated to be in Eastern Creek. This is well above the point peak escapement goal of 20,000. More fishing area is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-F-M-SP-31-94**

EFFECTIVE DATE: 12:01 a.m. July 26, 1994

EXPLANATION: This emergency order allows a 21 hour salmon fishing period from 12:01 a.m. Tuesday, July 26 until 9:00 p.m., Tuesday, July 26, 1994 in the following sections of the Southeastern District Mainland area:

1. East Stepovak Section
2. Northwest Stepovak Section; except for all waters of Orzinski Bay north of a line from Elephant Point (55°41'55" N.lat., 160°03'12" W.long.), to Waterfall Point (55°43'11" N.lat., 160°01'08" W.long.) which will remain open (EO 4-F-M-30-94) until 3:00 p.m. Thursday, July 28.
3. Southwest Stepovak Section
4. Balboa Bay Section
5. Beaver Bay Section

JUSTIFICATION: The Southeastern District Mainland fishery, except for Orzinski Bay, is managed on the basis of Chignik sockeye salmon prior to July 26 as described under 5 AAC 09.360. Orzinski Bay is managed on the basis of the local sockeye salmon return to Orzinski Lake and is currently open to commercial salmon fishing until 3:00 p.m. July 28.

A seven million pink salmon harvest is projected for the South Peninsula. The harvest during July 20-22 was minimal due to a price dispute between industry and purse seine permit holders. The price dispute has been settled and purse seine permit holders began fishing during the morning of July 24. Most of the South Peninsula will be open to commercial salmon fishing until 9:00 p.m. Tuesday, July 26. A fishing period ending at 9:00 p.m.

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Tuesday, July 26 in the Southeastern District Mainland area will place the fishery on a similar fishing schedule as the bulk of the South Peninsula.

Pink salmon escapements in early systems indicate a good return for this date. Fishing time is needed to test the strength of the pink salmon return.

The Stepovak Flats Section will remain closed in order to protect chum salmon stocks.

#### **EMERGENCY ORDER NO. 4-F-M-SP-32-94**

EFFECTIVE DATE: 5:00 p.m. July 24, 1994

EXPLANATION: This emergency order closes the Shumagin Islands Section to commercial salmon fishing with purse seine gear during the current fishing period; until 9:00 p.m., Tuesday, July 26, 1994.

JUSTIFICATION: Large numbers of immature salmon have appeared in the Shumagin Islands Section. These salmon gill in purse seines and are a waste of the resource. ADF&G observations of seven purse seine sets indicated an average of 212 immature salmon per set being caught.

Salmon may be taken by gillnet gear during periods when the seine fishery is closed by emergency order due to the presence of immature salmon.

#### **EMERGENCY ORDER NO. 4-F-M-SP-33-94**

EFFECTIVE DATE: 3:00 p.m. July 28, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period until 9:00 p.m., Sunday, July 31, 1994 in all waters of Orzinski Bay north of a line from Elephant Point 55°41'55" N.lat., 160°03'12" W.long., to Waterfall Point 55°43'11" N.lat., 160°01'08" W.long.).

This emergency order extends the period for the reduced closed waters at Orzinski River to the stream terminus at the ocean shoreline through 9:00 p.m. Sunday, July 31, 1994.

This emergency order also allows a 62 hour salmon fishing period from 7:00 a.m. Friday, July 29 until 9:00 p.m., Sunday, July 31, 1994 in the following sections of the Southeastern District:

1. East Stepovak Section
2. Northwest Stepovak Section
3. Southwest Stepovak Section
4. Balboa Bay Section
5. Beaver Bay Section
6. Shumagin Islands Section

JUSTIFICATION: The Southeastern District Mainland fishery after July 25 is managed on the basis of local salmon runs.

Aerial surveys of Southeastern District streams on July 26 indicated good chum, pink, and sockeye escapements in all streams surveyed. Additional fishing time is needed to test the strength of pink and chum salmon runs.

The Shumagin Islands test fishery on July 26 resulted in an average immature catch of 46 salmon per set. Waiting until Friday, July 29 for the next commercial fishing period in the Shumagin Islands should continue the trend of decreased bycatch of immature salmon.

Moving the markers to the stream terminus at the ocean shoreline at Orzinski River will allow fishers to harvest salmon that are excess to escapement requirements.

**EMERGENCY ORDER NO. 4-FS-M-CB-59-94**

EFFECTIVE DATE: 12:00 p.m. midnight July 28, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 12:00 p.m. midnight Friday July 29 in the Nelson Lagoon Section.

JUSTIFICATION: The Sapsuk River sockeye salmon escapement goal of 100,000 to 150,000 had been greatly exceeded. Sockeye coming into Nelson Lagoon at the end of July and during August are considered to be destined for streams other than the Sapsuk River and chum salmon are also entering the lagoon at this time. A 24 hour extension will allow fishermen to harvest the end of the Sapsuk sockeye run. The fishery will be managed on the basis of chums and Davids River lakes sockeye during July 30 - August 14.

**EMERGENCY ORDER NO. 4-FS-M-CB-60-94**

EFFECTIVE DATE: 7:00 a.m. July 29, 1994.

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EXPLANATION: This emergency order establishes a 7:00 a.m. July 29 until 9:00 p.m. July 31 commercial salmon fishing period in the South Central, Southwestern, and Unimak Districts.

The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus and within 500 yards of the other salmon streams emptying into Thin Point Cove.

JUSTIFICATION: Pink salmon escapements into early systems are strong for this date and chum runs appear strong in places. Fishing time is needed to harvest the resource.

There are no minus tides during July 29 - August 3 which makes this a safe time to harvest Thin Point Cove sockeye. The crew at Thin Point Lake weir indicated large numbers of sockeye are moving into Thin Point Lagoon (it will be weeks before these fish pass through the weir).

**EMERGENCY ORDER NO. 4-FS-M-CB-62-94**

EFFECTIVE DATE: July 30 , 1994

EXPLANATION: This emergency order allows fishing up to the stream terminus at the ocean shoreline of all streams on Deer Island during open commercial salmon fishing periods during July 30 through August 31.

JUSTIFICATION: Pink salmon are arriving at Deer Island in large numbers and all major streams have reached or exceeded their escapement goals. The two minor streams, each of which are located near a major stream, have always achieved or exceeded their escapement goals under similar situations in the past. More fishing area is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-64-94**

EFFECTIVE DATE: 9:00 p.m. July 31, 1994.

EXPLANATION: This emergency order establishes a 9:00 p.m. July 31 until 9:00 p.m. August 1 commercial salmon fishing period in the Bechevin Bay Section and extends commercial salmon fishing time 24 hours until 9:00 p.m. August 1 in the Shumagin Islands Section, South Central District, Southwestern District and Unimak District.

JUSTIFICATION: Pink and chum salmon should be entering the southern portion of the Bechevin Bay Section and fishing time is needed to harvest the runs. It is now desirable to have fishing periods in the Bechevin Bay Section coincide with those of the adjacent Ikatan Bay

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Section of the Southwestern District. Pink salmon runs are strong in that portion of the South Peninsula west of the Southeastern District and escapements are generally good in early systems. Purse seine vessels are averaging between two and three thousand pinks per day which indicates substantial numbers of fish are entering the area. Chum salmon catches in the Shumagin Islands average over 20 thousand fish per day which indicates a large run and escapements are very strong into major early systems such as Canoe Bay River and Russel Creek. A 24 hour extension can be allowed at this time without jeopardizing the resource in that portion of the South Peninsula located outside of the Southeastern District Mainland, where the pink salmon runs do not as of yet appear strong.

**EMERGENCY ORDER NO. 4-FS-M-CB-66-94**

EFFECTIVE DATE: August 1, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time until 9:00 p.m. August 5 in that portion of the Pavlof Bay Section located east of 161 degrees 34 minutes W.long. and in the Canoe Bay Section. Commercial salmon fishing is allowed up to the terminus at the ocean shoreline of Settlement Point and Middle (Priest) creeks effective August 2 through August 31.

JUSTIFICATION: The number of chum salmon in the Canoe Bay River and in closed waters is estimated to be in excess of 65,000 fish which is the season escapement goal range. The pink salmon escapements into Middle Creek is estimated to be 105,600 fish, far over the peak goal of 45,000. The pink salmon escapement into Settlement Point Creek is estimated to be 135,000 to 140,000 which is over the peak goal of 130,000. More fishing area and time is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-65-94**

EFFECTIVE DATE: 9:00 p.m. August 1, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time until 9:00 p.m. August 5 in the Deer Island Section and Aleutian Islands Area.

JUSTIFICATION: All streams on Deer Island have reached or exceeded their escapements goals. More fishing time is needed to harvest the resource.

Substantial numbers of pink salmon are reported at Unalaska. However as of yet no market has been available. More fishing time is needed to give fishermen and processors the opportunity to test run strength and harvest the resource.

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**EMERGENCY ORDER NO. 4-FS-M-CB-68-94**

EFFECTIVE DATE: August 4, 1994

EXPLANATION: This emergency order reduces the closed waters of McGinty's Creek to include only those waters up stream from the terminus at the ocean shoreline, effective August 4 - 31.

JUSTIFICATION: The pink salmon escapement into McGinty's Creek is estimated to be 18,400 fish. This is above the peak goal of 15,000. More fishing area is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-67-94**

EFFECTIVE DATE: 7:00 a.m. August 4, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. August 4 until 9:00 p.m. August 6 commercial salmon fishing period in the Bechevin Bay Section and that portion of the Alaska Peninsula Areas' South (Pacific) side located west of the Southeastern District. A 7:00 a.m. August 5 until 9:00 p.m. August 6 commercial salmon fishing period is established for the Southeastern District. The closed waters at Bear Bay are reduced to include only those of the inner bay.

JUSTIFICATION: Pink and chum salmon runs are entering the southern portion of the Bechevin Bay Section at this time and to date there has been no commercial effort in this location. Pink and chum salmon runs are strong in that portion of the South Peninsula west of the Southeastern District and more fishing time is needed to harvest the resource. The Southeastern District pink salmon runs so far appear much weaker than those runs farther west although escapements look promising in spots. A 38 hour fishing period following a 82 hour closure will allow a harvest and test if the run is late while allowing time to increase escapement.

A large number of pink salmon are in inner Bear Bay, which should be adequate for escapement needs in the small system at the head of the bay. There is no longer any need to have outer Bear Bay closed.

**EMERGENCY ORDER NO. 4-F-M-SP-45-94**

EFFECTIVE DATE: 7:00 a.m. August 5, 1994.

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EXPLANATION: This emergency order allows commercial salmon fishing up to the terminus at the ocean shoreline of the following streams:

Bay Point which is located on the west shore of Unga Island.

JUSTIFICATION: Closed waters at Bay Point will be reduced to the lagoon terminus at the ocean shoreline to harvest pink salmon in excess to the streams annual escapement goal. Observations during an aerial survey on August 3, 1994 indicated that at this date, escapements into the lagoon and stream are in excess to the annual escapement goal.

**EMERGENCY ORDER NO. 4-FS-M-CB-70-94**

EFFECTIVE DATE: 9:00 p.m. August 6, 1994.

EXPLANATION: This emergency order extends commercial fishing time 120 hours until 9:00 p.m. August 10 in the Deer Island and Canoe Bay Sections and that portion of the Pavlof Bay Section located east of 161 degrees 34 minutes W. long.

JUSTIFICATION: Pink salmon escapement goals have been reached or exceeded on all major Deer Island and East Pavlof Bay Section streams. The Canoe Bay chum salmon escapement goal has been reached. Catches indicate large numbers of salmon are still coming into these areas. More fishing time is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-71-94**

EFFECTIVE DATE: 7:00 a.m. August 9, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. August 9 until 9:00 p.m. August 11 commercial salmon fishing period in the Bechevin Bay Section and that portion of the Alaska Peninsula Areas' South (Pacific) side located west of the Southeastern District. A 7:00 a.m. August 9 until 9:00 p.m. August 10 commercial salmon fishing period is established for the Southeastern District.

JUSTIFICATION: Pink salmon runs are strong in the western portion of the South Peninsula and Bechevin Bay and are healthy in the Southeastern District. Escapements are generally good for this date throughout the area. Chum salmon runs are strong throughout the South Peninsula and the escapement is good in Bechevin Bay. Fishing time is needed to harvest the resource with more time needed west of the Southeastern District.

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**EMERGENCY ORDER NO. 4-F-M-SP-46-94**

EFFECTIVE DATE: 9:00 p.m. August 10, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period 24 hours from 9:00 p.m., Wednesday, August 10, 1994 until 9:00 p.m., Thursday, August 11, 1994 in Southeastern District.

JUSTIFICATION: Gale force winds and high seas prevented fishing effort on August 9 in the Southeastern District except for those bays protected from the weather. Additional fishing time is needed to harvest the pink and chum salmon runs.

**EMERGENCY ORDER NO. 4-FS-M-CB-73-94**

EFFECTIVE DATE: 9:00 p.m. August 11, 1994.

EXPLANATION: This emergency order extends commercial fishing time 96 hours until 9:00 p.m. August 15 in the Deer Island Section and that portion of the Pavlof Bay Section located east of 161 degrees 34 minutes W.long.

JUSTIFICATION: Pink salmon escapement goals have been reached or exceeded on all major Deer Island and East Pavlof Bay Section streams. Catches indicate large numbers of salmon are still coming into these areas. More fishing time is needed to harvest the resource.

**EMERGENCY ORDER NO. 4-FS-M-CB-74-94**

EFFECTIVE DATE: 7:00 a.m. August 14, 1994.

EXPLANATION: This emergency order establishes a 7:00 a.m. August 14 until 9:00 p.m. August 16 commercial salmon fishing period in the following locations:

1. Bechevin Bay Section
2. Unimak District
3. That portion of the Southwestern District located outside of Volcano Bay enclosed by a line from the north entrance of Bear Bay (Little Bear Bay) to Arch Point Light.
4. Pavlof Bay Section
5. Canoe Bay Section

The closed waters of Traders Cove are reduced to include only those waters enclosed by a line from Morzhovoi Village to 54 degrees 55 minutes 09 seconds N. Lat., 163 degrees 17 minutes 30 seconds W. long.

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The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the terminus of Thin Point Lagoon and upstream from the terminus at the ocean shoreline of the stream in the Southwest bight.

The closed waters are reduced to the terminus at the ocean shoreline of Hungry's Creek, Rocky River (Belkofski Point) and Belkofski Village Creek.

JUSTIFICATION: More fishing time is needed to harvest strong pink and chum salmon runs in Bechevin Bay and that portion of the South Peninsula west of Cape Tolstoi. However intensive purse seine effort has prevented an adequate number of chums from reaching closed waters in Volcano Bay and that location should not reopen to commercial salmon fishing at this time. Pink salmon escapement goals have been reached in Hungry's Creek, Southwest Bight Creek, Rocky River, and Belkofski Village Creek. An estimated 23,000 chum salmon are on the Traders Cove Flats, this is above the number needed for escapement, more fishing area is needed. The number of sockeye through Thin Point Lake weir combined with the estimated number of sockeye in Thin Point Lagoon places the total escapement above the season needs and there are no minus tides at this time which makes it a good time to harvest incoming fish.

**EMERGENCY ORDER NO. 4-F-M-SP-47-94**

EFFECTIVE DATE: 7:00 a.m. August 14, 1994.

EXPLANATION: This emergency order allows a 38 hour salmon fishing period from 7:00 a.m. Sunday, August 14, 1994 until 9:00 p.m., Monday, August 15, 1994 in the Shumagin Islands Section of the Southeastern District.

This emergency order also allows commercial salmon fishing up to the terminus at the ocean shoreline of the following stream:

1. Pinnacle Point Stream (1st stream south of Pinnacle Point) located on the west side of Unga Island.

JUSTIFICATION: An aerial survey this morning, August 12, indicated that pink salmon escapements in the Southeastern District Mainland area are adequate for this date. Catch data indicates that pink and chum salmon runs in the mainland streams may be near completion; the remaining portion of the pink and chum salmon runs in the mainland fishery are needed for escapement.

This mornings survey of the Shumagin Islands Section indicated that salmon escapements are near or above average for this date. An additional fishing period in the Shumagin Islands Section is warranted to harvest salmon in excess to escapement requirements.

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Closed waters at Pinnacle Point Stream will be reduced to the stream terminus at the ocean shoreline to harvest pink salmon in excess to the streams annual escapement goal. Observations during an aerial survey on August 12, 1994 indicated that at this date, escapements into the stream are in excess to the annual escapement goal.

**EMERGENCY ORDER N0. 4-FS-M-CB-77-94**

EFFECTIVE DATE: 2:00 p.m. August 16, 1994.

EXPLANATION: This emergency order reopens commercial salmon fishing in that portion of Volcano Bay enclosed by a line from the north entrance of Bear Bay to Arch Point Light (excluding closed waters under 5 AAC 09.350) effective 2:00 p.m. August 16 until 9:00 p.m. August 18. The balance of the Southwestern District, Unimak District, Pavlof Bay Section, Canoe Bay Section, and Bechevin Bay Section will remain open to commercial salmon fishing for an additional 48 hours until 9:00 p.m. August 18.

JUSTIFICATION: A recent survey indicated that an adequate number of chum salmon are in the closed waters of Volcano Bay to satisfy escapement needs. Pink and chum escapements tend to be strong throughout most systems in Bechevin Bay and the western portion of the South Peninsula. More fishing time is needed to harvest the resource.

**EMERGENCY ORDER N0. 4-FS-M-CB-78-94**

EFFECTIVE DATE: 9:00 p.m. August 16, 1994.

EXPLANATION: This emergency order expands the closed waters of Thin Point Cove to include those waters enclosed by a line from the southern tip of Thin Point to a point located 200 yards east of the terminus of Southwest Bight Creek (where the closed waters have been reduced to the stream terminus by previous emergency order) effective 9:00 p.m. August 16 through August 31.

JUSTIFICATION: The escapement of sockeye salmon through Thin Point Lake weir is below the season goal and there are minus tides beginning August 17, which could cause the sockeye to back out into the fishery. In order to insure that both escapement and subsistence needs are met, most of Thin Point Cove should be closed at this time. Very few sockeye are caught in Southwest Bight and this area should be left open to harvest pink salmon.

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**EMERGENCY ORDER N0. 4-FS-M-CB-82-94**

EFFECTIVE DATE: 3:00 p.m. August 19, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. Saturday, August 20 in that portion of the Pavlof Bay Section located east of 161 degrees 34 minutes W. long., Deer Island Section, Cold Bay Section, Thin Point Section, Ikatan Bay Section, Bechevin Bay Section and Unimak District.

The closures around the two creeks in outer Lenard Harbor are reduced from 1,000 yards to 500 yards effective 3:00 p.m. August 19 through August 31.

JUSTIFICATION: Pink and chum salmon escapements are generally very good along east Pavlof, Deer Island, Bechevin Bay and in that portion of the South Peninsula from Cold Bay west. More fishing time is justified in those areas at this time to harvest the resource.

**EMERGENCY ORDER N0. 4-FS-M-CB-83-94**

EFFECTIVE DATE: 9:00 p.m. August 20, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 9:00 p.m. August 22 in the Deer Island, Cold Bay and Thin Point Sections.

During August 21 - 31, subsistence salmon fishermen may fish in the Thin Point Cove and Lagoon waters closed to commercial salmon fishing during times when commercial fishing is allowed closer than 50 miles from Thin Point Lagoon if the subsistence fishermen first notifies the Alaska Department of Fish and Game in Cold Bay as to when they want to catch subsistence salmon in Thin Point Cove or Lagoon. All subsistence caught salmon must either be butchered or have the adipose fin removed before being transported out of Thin Point Cove during August 21 - 31.

JUSTIFICATION: Pink and chum salmon escapements are strong in the Deer Island, Cold Bay, and Thin Point Sections. More fishing time is needed to harvest the resource.

With the above locations open, people are unable, under terms of their permits, to harvest sockeye salmon in Thin Point Lagoon, a traditional subsistence harvesting location. All of the sockeye will be in too poor condition for subsistence needs before long. This emergency order provides the means in which people can obtain salmon for their subsistence needs without requiring the commercial fishery to be closed.

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**EMERGENCY ORDER N0. 4-FS-M-CB-84-94**

EFFECTIVE DATE: 9:00 p.m. August 22, 1994

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. August 23 in the Deer Island Section.

JUSTIFICATION: Pink salmon escapement goals have been met in all major Deer Island streams and fresh pinks are still arriving. Effort level has declined to less than 4 seiners. More fishing time is justified to harvest the resource.

**EMERGENCY ORDER N0. 4-FS-M-CB-86-94**

EFFECTIVE DATE: 9:00 p.m. August 23, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time 24 hours until 9:00 p.m. August 24 in the Deer Island Section.

JUSTIFICATION: Pink salmon escapement goals have been met in all major Deer Island streams and fresh pinks are still arriving. Effort level has declined to less than 4 seiners. More fishing time is justified to harvest the resource.

**EMERGENCY ORDER N0. 4-FS-M-CB-88-94**

EFFECTIVE DATE: 9:00 a.m. September 1, 1994

EXPLANATION: This emergency order reopens the fishing season in the Northwestern District during September 1 - 30. This emergency order establishes a 9:00 a.m. September 1 until 8:00 p.m. September 2 commercial salmon fishing period in the Northwestern, Southwestern and Unimak Districts. The closed waters of Swanson Lagoon are expanded to include the entire lagoon and it's outlet channel. The closed waters of Thin Point Cove are reduced to include only those waters within 1,000 yards of the Thin Point Lagoon terminus.

JUSTIFICATION: Fishing time is needed to harvest coho and chum salmon in the Southwestern, Unimak, and Northwestern Districts. More fishing area is needed to harvest coho in Thin Point Cove where the escapement is good for this date. Old sockeye are still in Swanson Lagoon and outlet channel and no fishing should take place for coho in those locations until the sockeye have departed.

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**EMERGENCY ORDER NO. 4-F-M-SP-48-94**

EFFECTIVE DATE: 9:00 a.m. September 1, 1994

EXPLANATION: This emergency order allows a 35 hour salmon fishing period from 9:00 a.m. Thursday, September 1, 1994 until 8:00 p.m., Friday, September 2, 1994 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

- A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.
- B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.
- C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.
- D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.
- E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.
- F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.
- G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55°39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.
- H. Clark Bay: all waters of Clark Bay North of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.
- I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.
- J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.
- K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.

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L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light.

**EMERGENCY ORDER NO. 4-F-M-SP-49-94**

EFFECTIVE DATE: 9:00 a.m. September 5, 1994

EXPLANATION: This emergency order allows a 59 hour salmon fishing period from 9:00 a.m. Monday, September 5, 1994 until 8:00 p.m., Wednesday, September 7, 1994 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

- A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.
- B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.
- C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.
- D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.
- E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.
- F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.
- G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55°39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

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- H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.
- I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.
- J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.
- K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long.  
(2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.
- L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Many pink and chum salmon are schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gillnet effort should not affect pink salmon escapements and purse seine effort is expected to be light.

#### **EMERGENCY ORDER NO. 4-FS-M-CB-91-94**

EFFECTIVE DATE: 9:00 a.m. September 5, 1994.

EXPLANATION: This emergency order establishes a 9:00 a.m. September 5 until 8:00 p.m. September 7 commercial salmon fishing period in the Southwestern District, Unimak District, Bechevin Bay Section, Urilia Bay Section, and Izembek - Moffet Bay Section.

JUSTIFICATION: Chum salmon escapements are very good throughout the Southwestern District and Bechevin Bay Section. Chum salmon runs are over in the Izembek - Moffet Bay and Urilia Bay Sections. Coho runs appear strong throughout the South Peninsula and Northwestern District. More fishing time is needed to harvest late run chums where escapements justify more harvesting and to harvest coho. The late chum systems in the South Central District need more escapement and the Swanson Lagoon outlet is blocked allowing only a few coho to get into the lagoon. Consequently, the South Central District and Swanson Lagoon Section should not open to commercial salmon fishing at this time.

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**EMERGENCY ORDER NO. 4-FS-M-CB-92-94**

EFFECTIVE DATE: 8:00 p.m. September 7, 1994.

EXPLANATION: This emergency order extends commercial salmon fishing time 48 hours until 8:00 p.m. September 9 in the Southwestern District, Unimak District, Bechevin Bay Section, Uria Bay Section, and Izembek - Moffet Bay Section.

JUSTIFICATION: Coho catches and escapements are strong in the western portion of the Alaska Peninsula Area and chum salmon escapement goals have been reached or exceeded in those systems where chum runs are still in progress. More fishing time is needed for fishermen to harvest the resource.

**EMERGENCY ORDER NO. 4-F-M-SP-50-94**

EFFECTIVE DATE: 8:00 p.m. September 7, 1994

EXPLANATION: This emergency order extends the commercial salmon fishing period an additional 48 hours from 8:00 p.m. Wednesday, September 7, 1994 until 8:00 p.m., Friday, September 9, 1994 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

- A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.
- B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.
- C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.
- D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.
- E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.
- F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.
- G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55°39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.

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- H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N.lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.
- I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.
- J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.
- K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long.  
(2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.
- L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Some chum salmon are still schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gillnet effort should not affect pink salmon escapements. Both set gillnet and purse seine effort is expected to decrease as fishers prepare for a halibut fishing period.

**EMERGENCY ORDER NO. 4-F-M-SP-51-94**

EFFECTIVE DATE: 9:00 a.m. September 12, 1994

EXPLANATION: This emergency order allows 9:00 a.m. Monday until 8:00 p.m. Friday commercial salmon fishing periods in the Southeastern District.

This emergency order also extends the commercial salmon fishing season from 9:00 a.m. Monday, October 3 until 8:00 p.m. Monday, October 31 in the Southeastern District.

Closed waters are expanded to include all waters as follows:

- A. Zachary Bay: all waters in Zachary Bay south of 55°21' N. lat.

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- B. Squaw Harbor (Baralof Bay): all waters in Squaw Harbor west of the longitude of the east end of the Peter Pan Seafoods dock.
- C. Delarof Harbor: all waters in Delarof Harbor west of 160°30' W. long.
- D. Acheredin Bay: all waters in Acheredin Bay north of 55°10' N. lat.
- E. Fox Hole (Little Harbor): all waters in Fox Hole west of 160°19'45" W. long.
- F. Dorenoi Bay: all waters in Dorenoi Bay west of a line extending from the north shore of Dorenoi Bay at 55°39'12" N. lat., 160°23'06" W. long. to a point on the south shore of Dorenoi Bay at 55°37'54" N. lat., 160°24'36" W. long.
- G. Chichagof Bay: all waters in Chichagof Bay north of a line extending from the eastern shore of Chichagof Bay at 55°39'36" N. lat., 160°13'30" W. long. to a point on the western shore of Chichagof Bay at 55°38'56" N. lat., 160°15' W. long.
- H. Clark Bay: all waters of Clark Bay north of a line extending from the eastern shore of Clark Bay at 55°47' N. lat., 160°58'45" W. long. to a point on the western shore of Clark Bay at 55°45'30" N. lat., 160°02'55" W. long.
- I. Grub Gulch: all waters of Grub Gulch north of 55°48' N. lat.
- J. Island Bay: all waters of Island Bay east of 159°38'12" W. long.
- K. Fox Bay: (1) all waters of the northeast head of Fox Bay east of 159°37'18" W. long. (2) all waters of the southeast head of Fox Bay east of a line extending from the north shore of the southeast head of Fox Bay at 55°37'07" N. lat., 159°38'12" W. long. to a point on the south shore of the southeast head of Fox Bay at 55°36'48" N. lat., 159°38'30" W. long.
- L. Boulder Bay: all waters of Boulder Bay east of 159°43' W. long.

All other closed waters are as listed in 5 AAC 09.350 in the finfish regulation book.

JUSTIFICATION: Fishing time is needed to harvest coho salmon which are entering local bays at this time. Some chum salmon are still schooled at the heads of several bays in the Southeastern District. The expanded closed waters areas are needed to protect the water marked-schooled salmon at the heads of the bays. Set gillnet effort should not affect pink salmon escapements. Set gillnet effort is expected to decrease as fishers end their season following the halibut fishing period. ADF&G does not expect any purse seine effort.

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September and October weather will likely reduce actual fishing days to about three to four days per week.

Aerial and foot surveys indicate that except for a few pink salmon streams, escapements in the Southeastern District of sockeye, pink, and chum salmon are good to excellent. With actual fishing days being about three days per week, decreasing effort, and with the additional closed water adjustments, coho salmon escapements should also be good for Southeastern District streams.

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## APPENDIX B: METHOD FOR CALCULATING INDEXED TOTAL ESCAPEMENT

### Appendix B.1. Method for calculating indexed total escapement.

Unusual circumstances may cause occasional deviation, but basically the methods of calculating estimated indexed total escapements without the use of a weir or tower are as follows:

**Chinook, Sockeye, Coho:** These species tend to have a much longer stream life than pink and chum salmon. Therefore, the estimated total escapement is usually the peak escapement count. Carcasses are included. However, it is recognized that there are problems in large systems such as the Caribou-David's Rivers. The basic problem on large systems is the length of time, expense, and fuel needed to do a thorough survey yet meet more pressing obligations.

The Caribou and David's River complex (including Coastal and other nearby lakes) is so massive a system for the size of its runs that complete surveys will probably never be done. The timing of such surveys would have to coincide with the peak of the South Peninsula pink and chum fisheries.

**Pink and Chum Salmon:** A 21-day stream life is used to calculate total pink and chum escapements. Fish in saltwater during the final survey are added:

#### EXAMPLE

Survey Date	Pink	Chum	Fish at Mouth
July 10	5,000	0	5,000 P
July 17	25,000	0	10,000 P
August 1	100,000	0	10,000 P
August 15	150,000	0	12,000 P
			1,000 CH
September 1	150,000	5,000	2,000 CH
Estimated Total	255,000	7,000	

The estimate of 21 days stream life was used because significant numbers of carcasses seem to appear about three weeks after adult pinks and chums first appear in Alaska Peninsula streams. It is recognized that stream life can vary, however this method is easily duplicated and is comparable from year to year. Variation in stream life is likely a much smaller factor than variation between observers.

With the exception of several small streams, there are no problems of streams being obscured by brush or trees in the Alaska Peninsula and Aleutian Islands Areas. With several exceptions, visibility of spawning grounds is outstanding during periods of normal water flow and clear weather.

## APPENDIX C: PERSONNEL LIST, SOUTH PENINSULA, 1994

### Appendix C.1. Personnel list, South Peninsula, 1994.

Employee	Title / PCN	Duties And Location
Arnie Shaul	FB III 11-1033	Alaska Peninsula (excluding Southeastern District) and Aleutian Islands Areas Salmon Management Biologist, Cold Bay.
Jim McCullough	FB III 11-1265	Southeastern District - Alaska Peninsula Area Salmon Management Biologist and Alaska Peninsula / Aleutian Islands Areas Herring Management Biologist, Sand Point.
Bob Berceli	FB II 11-1833	Alaska Peninsula Area Assistant Salmon Management Biologist, Cold Bay.
Rod Campbell	FB II 11-1275	Alaska Peninsula Area Assistant Salmon and Herring Management Biologist, Sand Point.
Randy Weber	Pilot I 11-1430	Pilot and Aircraft Mechanic, Chignik.
Dave Henley	Pilot Non-Perm	Pilot, Chignik.
Lucinda Neel	PT II 11-1059	Publication Technician, Kodiak
Sharon Theis	Clerk	Clerk Typist, Kodiak.
Matt Ford	FB I 11-1411	Orzinski Lake Weir, Salmon Management.
Bob Sanderlin	FB I 11-1844	King Cove, Salmon Research.
Judy Hamik	FT III 11-1849	Sand Point, Salmon Management.
Brian Westgate	FT III 11-1966	South Unimak Fishery Monitor, Thin Point Cove Weir, Salmon Management.
Jim Brighenti	FT III 11-1819	Middle Lagoon Weir, Salmon Management.
Justin Freeman	FT III 11-1957	Orzinski Lake Weir, Salmon Management.
Andy DeValpine	FT III 11-1776	King Cove, Salmon Research.
Jeff Melman	FT II 11-1479	Canoe Bay, Salmon Management.
George Koenig	FT I 11-1952	Canoe Bay, Salmon Management.
Dylan Avery	FT I 11-1479	Middle Lagoon Weir, Salmon Management.
Eric Aulabaugh	FT I 11-1838	Thin Point Cove Weir, Salmon Management.

Appendix D. Salmon escapement survey counts in the South Peninsula, 1994.

Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer	Remarks
					Chinook	Sockeye	Coho	Pink	Chum		
Near Bluff Point 281-3507											
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.		
		Mouth	E	0	0	0	100	0			
		Bay	E	0	0	0	0	0			
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	150	0	DISTANCE SURVEYED: ENTIRE STREAM.		
		Mouth	G	0	0	0	50	0			
		Bay	P	0	0	0	0	0			
Boulder Bay 281-3506											
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	100	50	DISTANCE SURVEYED: ENTIRE STREAM.		
		Mouth	E	0	0	0	1500	0			
		Bay	E	0	0	0	0	0			
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM. 50 of the salmon designated as in stream were actually in the lagoon. Low water conditions in stream.		
		Mouth	F	0	0	0	200	0			
		Bay	F	0	0	0	0	0			
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	2000	500	DISTANCE SURVEYED: ENTIRE STREAM. Plus 250 carcasses.		
		Mouth	E	0	0	0	100	0			
		Bay	E	0	0	0	0	0			
Fox Bay 3505 281-3505											
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	75	0	DISTANCE SURVEYED: ENTIRE STREAM. 25 of the salmon designated as in stream were actually in the lagoon. Illegal fishing reported on 8/10 - a beach seiner taking the pink salmon at stream mouth.		
		Mouth	F	0	0	0	50	0			
		Bay	F	0	0	0	0	0			
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	850	150	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink carcasses.		
		Mouth	E	0	0	0	50	0			
		Bay	E	0	0	0	0	0			
Fox Bay 3504 281-3504											
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM.		
		Mouth	E	0	0	0	100	0			
		Bay	E	0	0	0	0	0			
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	400	0	DISTANCE SURVEYED: ENTIRE STREAM. 150 of the salmon designated as in stream were actually in the lagoon. Illegal fishing at stream mouth reported on 8/10. Low water in stream.		
		Mouth	F	0	0	0	200	0			
		Bay	P	0	0	0	0	0			

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	150	100	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink carcasses.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
Fox Bay 3502 281-3502	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	700	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4200	0	DISTANCE SURVEYED: ENTIRE STREAM. 2,000 of the salmon designated as in stream were actually in the lagoon. Low water conditions in the stream.
			Mouth	F	0	0	0	200	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	5300	200	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink carcasses.
			Mouth	E	0	0	0	1500	0	
			Bay	E	0	0	0	0	0	
Fox Bay 3501 281-3501	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. 1,200 salmon off mouth of stream in bay - nothing in mouth or stream.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM. Low water in stream.
			Mouth	E	0	0	0	200	0	
			Bay	E	0	0	0	0	0	
Island Bay 3408 281-3408	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	700	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	650	0	DISTANCE SURVEYED: ENTIRE STREAM. Low water in stream.
			Mouth	F	0	0	0	2500	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	50	150	0	
			Bay	E	0	0	0	0	0	
Island Bay 3407 281-3407										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	500	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	50	0	DISTANCE SURVEYED: ENTIRE STREAM. Low water in stream.
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	2100	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	100	0	
			Bay	E	0	0	0	0	0	
Island Bay 3406	08/15/1994	281-3406 ROD CAMPBELL	Stream	E	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. Salmon at mouth (1,500) shared with 281-3405, plus 3,000 salmon along beach between 281-3406 and 281-3405.
			Mouth	E	0	0	0	750	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	2100	0	DISTANCE SURVEYED: ENTIRE STREAM. 1,500 pink salmon were inside the lagoon tending to favor 281-3406. Fish at stream mouth were split with 281-3405. Low water in stream.
			Mouth	F	0	0	0	4250	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	5000	200	DISTANCE SURVEYED: ENTIRE AREA. Plus 400 pink carcasses, salmon at mouth split with 281-3405.
			Mouth	E	0	0	0	250	0	
			Bay	E	0	0	0	0	0	
Island Bay 3405	08/15/1994	281-3405 ROD CAMPBELL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Salmon at mouth (1,500) shared with 281-3406, plus 3,000 salmon along beach between 3405 and 3406.
			Mouth	E	0	0	0	750	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	2300	0	DISTANCE SURVEYED: ENTIRE STREAM. Fish at stream mouth split with 281-3406. Low water in stream.
			Mouth	F	0	0	0	4250	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	4500	300	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink salmon carcasses. Salmon at mouth (500) shared with 281-3406.
			Mouth	E	0	0	0	250	0	
			Bay	E	0	0	0	0	0	
Island Bay 3404		281-3404								

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## Appendix D. (page 4 of 60)

Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	500	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM. Low water in stream.
			Mouth	F	0	0	0	200	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	1100	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
Stonehouse 281-3403										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pink salmon in lagoon.
			Mouth	F	0	0	0	250	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	3000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	5000	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4100	0	DISTANCE SURVEYED: ENTIRE STREAM. 2,000 of the pink salmon designated as in stream were actually in the lagoon. Low water in stream.
			Mouth	F	0	0	0	150	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	4500	500	DISTANCE SURVEYED: ENTIRE STREAM. 2,000 of the pink salmon were in the lagoon. Plus 100 pink carcasses. Stream can hold a lot more fish.
			Mouth	E	0	0	0	1500	0	
			Bay	E	0	0	0	0	0	
Osterback's Creek 281-3402										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	700	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	500	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	1000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	2500	0	
			Bay	E	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	450	0	DISTANCE SURVEYED: ENTIRE STREAM. Low water in stream.	
		Mouth	F	0	0	0	5000	0		
		Bay	P	0	0	0	0	0		
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	8000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink carcasses. Stream can hold a lot more fish.	
		Mouth	E	0	0	0	250	0		
		Bay	E	0	0	0	0	0		
Granville Bay 281-3401										
08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	125	DISTANCE SURVEYED: ENTIRE STREAM. Chum were in stream feeding the lagoon.	
		Mouth	P	0	0	0	2600	0		
		Bay	P	0	0	0	0	0		
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	1450	500	DISTANCE SURVEYED: ENTIRE STREAM. Mouth murky.	
		Mouth	F	0	0	0	2000	0		
		Bay	E	0	0	0	0	0		
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	1600	500	DISTANCE SURVEYED: ENTIRE STREAM. 800 of the pink salmon designated as in stream were actually in the lagoon.	
		Mouth	F	0	0	0	1500	0		
		Bay	P	0	0	0	0	0		
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	250	6000	1500	DISTANCE SURVEYED: ENTIRE STREAM. Lots of coho jumping in the bay.	
		Mouth	E	0	0	500	0	1000		
		Bay	E	0	0	500	0	0		
Granville Portage 281-3306										
08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay	G	0	0	0	0	0		
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	1200	100	DISTANCE SURVEYED: ENTIRE STREAM. Mouth murky.	
		Mouth	P	0	0	0	0	0		
		Bay	E	0	0	0	0	0		
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	250	150	DISTANCE SURVEYED: ENTIRE STREAM. The pink salmon were moving up the slough to the spring fed spawning area.	
		Mouth	F	0	0	0	0	0		
		Bay	P	0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks		
					Chinook	Sockeye	Coho	Pink	Chum			
Stepovak River 281-3305	09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	500	250	DISTANCE SURVEYED: ENTIRE STREAM.		
			Mouth	G	0	0	0	0	0			
			Bay	G	0	0	0	0	0			
	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0		DISTANCE SURVEYED: PARTIAL. Too muddy for a survey. A few (4 relatively large, 2 small) schools of pink salmon were visible at the head of Stepovak Bay.	
			Mouth	P	0	0	0	0	0			
			Bay	P	0	0	0	0	0			
	08/23/1994	JIM MCCULLOUGH	Stream	F	0	0	0	0	1000			DISTANCE SURVEYED: TRIBUTARY ALONG AIR STRIP ONLY.
			Mouth	P	0	0	0	0	0			
			Bay	P	0	0	0	0	0			
09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6800	2600	DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY. These counts are a minimal escapement. Lots of seals in lower river.			
		Mouth	G	0	0	0	0	0				
		Bay	G	0	0	0	0	0				
Big River 281-3304	07/26/1994	JIM MCCULLOUGH	Stream	E	0	0	0	0		850	DISTANCE SURVEYED: CLEAR CREEK ONLY. 750 chum were at the junction of the first clear tributary and the main, muddy stem. The other 100 were moving upstream.	
			Mouth	G	0	0	0	0		0		
			Bay	F	0	0	0	0		0		
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3500		500		DISTANCE SURVEYED: CLEAR CREEK ONLY.
			Mouth	P	0	0	0	0		0		
			Bay	P	0	0	0	0		0		
	08/15/1994	ROD CAMPBELL	Stream	G	0	0	0	12000	2300	DISTANCE SURVEYED: CLEAR TRIBUTARIES. Mouth murky, main stream muddy. 10,000 counted in clear branch on east side.		
			Mouth	P	0	0	0	0	0			
			Bay	E	0	0	0	0	0			
08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	10000	1800	DISTANCE SURVEYED: CLEAR TRIBUTARIES. None in the main stem, only in clear tributaries.			
		Mouth	P	0	0	0	0	0				
		Bay	P	0	0	0	0	0				
09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6900	1200			DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 chum carcasses. Lots of seals in lower river.	
		Mouth	G	0	0	0	0	0				
		Bay	G	0	0	0	0	0				
Louie's Corner 281-3303												

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	300	200	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	8000	1000	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6900	1100	DISTANCE SURVEYED: ENTIRE STREAM. All salmon in clear tributaries.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6400	1300	DISTANCE SURVEYED: ENTIRE STREAM. Several sharks in the bay near stream mouth.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
2nd Stm N Rock Wall 281-3302	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: N/A. Muddy water.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	P	0	0	0	300	200	DISTANCE SURVEYED: ENTIRE STREAM. Mouth and stream muddy - could see about 200 fish in slough and 300 in stream, however no accurate count or species I.D. was possible.
			Mouth	P	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: PARTIAL. Poor conditions due to muddy water, could see pink and chum in some shallow areas through the muddy water, where visible escapement of pink salmon looked good.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4900	600	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	2400	0	
			Bay	G	0	0	0	0	0	
1st Stm N Rock Wall 281-3301	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: N/A Muddy water.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/15/1994	ROD CAMPBELL	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: N/A Muddy water - no count possible.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: PARTIAL. Poor conditions due to muddy water, accurate count impossible. Where visible, the escapement of pink salmon looked good.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	1900	300	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Grub Gulch 281-3207										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6000	2000	DISTANCE SURVEYED: ENTIRE STREAM. May be 25,000 pink in the bay, lots of jumpers.
			Mouth	F	0	0	0	5000	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	18000	2000	DISTANCE SURVEYED: ENTIRE STREAM. Mouth murky.
			Mouth	P	0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	21000	4800	DISTANCE SURVEYED: ENTIRE STREAM. Low water.
			Mouth	G	0	0	0	1500	0	
			Bay	P	0	0	0	0	0	
Clark Bay SW 281-3205										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Few jumpers in the bay.
			Mouth	F	0	0	0	1000	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	7500	300	DISTANCE SURVEYED: ENTIRE STREAM. Plus 10,000 salmon along beach between 3205 and 3204 (shared).
			Mouth	E	0	0	0	2000	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4900	500	DISTANCE SURVEYED: ENTIRE STREAM. Low water level in stream, fish still moving upstream.
			Mouth	G	0	0	0	5000	0	
			Bay	P	0	0	0	0	0	
Little Norway 281-3204										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	500	150	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	8000	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	5000	500	DISTANCE SURVEYED: ENTIRE STREAM. Plus 10,000 salmon along beach between 3204 and 3205 (shared).
			Mouth	E	0	0	0	3000	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	11000	1000	DISTANCE SURVEYED: ENTIRE STREAM. Low water level. Fish still moving upstream.
			Mouth	G	0	0	0	2000	0	
			Bay	P	0	0	0	0	0	
Orzinski Bay 281-3103										
	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Windy, turbulent choppy water on the lake.
			Mouth	P	0	0	0	3000	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	8200	0	DISTANCE SURVEYED: LAKE AND OUTLET STREAM ONLY. 2,000 sockeye spawners on south shore of lake.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	14000	0	DISTANCE SURVEYED: ENTIRE STREAM. Did not count sockeye in the lake, poor visibility due to an algae bloom, counted only pink salmon.
			Mouth	F	0	0	0	2000	0	
			Bay	P	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	200	10000	750	DISTANCE SURVEYED: OUTLET ONLY. Plus 2,500 pink carcasses.
			Mouth	G	0	0	50	0	0	
			Bay	G	0	0	0	0	0	
Windbound Bay 281-2004										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 salmon along the beach between 2004 and 2003 (shared).
			Mouth	E	0	0	0	300	0	
			Bay	E	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/23/1994	JIM MCCULLOUGH	Stream Mouth Bay	G P P	0 0 0	0 0 0	0 0 0	800 200 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
Chichagof Bay E Side 281-2003										
	08/15/1994	ROD CAMPBELL	Stream Mouth Bay	E E E	0 0 0	0 0 0	0 0 0	1200 1000 0	2500 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 5,000 salmon along the beach between 203 and 204 (shared).
	08/29/1994	ROD CAMPBELL	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	3000 0 0	1500 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
Chichagof Bay Stream 281-2002										
	07/26/1994	JIM MCCULLOUGH	Stream Mouth Bay	E G G	0 0 0	0 0 0	0 0 0	0 0 0	530 50 0	DISTANCE SURVEYED: ENTIRE STREAM.
	08/04/1994	JIM MCCULLOUGH	Stream Mouth Bay	G P P	0 0 0	0 0 0	0 0 0	750 2000 0	100 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
	08/15/1994	ROD CAMPBELL	Stream Mouth Bay	E E E	0 0 0	0 0 0	0 0 0	10000 300 0	300 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
	08/23/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G P	0 0 0	0 0 0	0 0 0	7000 2000 0	500 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
Chichagof Bay W Side 281-2001										
	08/04/1994	JIM MCCULLOUGH	Stream Mouth Bay	G F P	0 0 0	0 0 0	0 0 0	150 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
	08/29/1994	ROD CAMPBELL	Stream Mouth Bay	P P P	0 0 0	0 0 0	0 0 0	4500 500 100	0 500 0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent - high (500 ft.) passover - I.D. for fish at mouth questionable (chums or coho).
West Cove 281-1004										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay	F	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM
			Mouth	E	0	0	0	200	0	
			Bay	E	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	P	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent - high (500 feet) passover.
			Mouth	P	0	0	0	100	0	
			Bay		0	0	0	0	0	
Suzy Creek 281-1003										
	07/26/1994	JIM MCCULLOUGH	Stream	E	0	0	0	34700	0	DISTANCE SURVEYED: LOWER PORTION. May have missed some pink in the upper portion of the stream.
			Mouth	E	0	0	0	7000	0	
			Bay	G	0	0	0	0	0	
	07/26/1994	BOB BERCELI	Stream	G	0	0	0	41300	0	DISTANCE SURVEYED: ENTIRE STREAM. Good distribution of salmon throughout the stream.
			Mouth	G	0	0	0	15000	0	
			Bay	G	0	0	0	0	0	
	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: N/A. Turbulent - rain.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	36000	0	DISTANCE SURVEYED: ENTIRE STREAM. Fair survey, turbulent so we flew above canyon walls, fairly high above the stream. Count is likely low.
			Mouth	G	0	0	0	4000	0	
			Bay	F	0	0	0	0	0	
	08/23/1994	JIM MCCULLOUGH	Stream	G	0	0	0	50300	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus just about as many carcasses, especially in upper portion where carcasses far outnumbered live fish.
			Mouth	F	0	0	0	300	0	
			Bay	P	0	0	0	0	0	
Dorenoi Bay NE River 281-1002										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM
			Mouth	F	0	0	0	350	0	
			Bay	P	0	0	0	0	0	

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4000	0	DISTANCE SURVEYED: ENTIRE STREAM. Most in lower portion of the stream.
		Mouth	G	0	0	0	350	0	
		Bay	P	0	0	0	0	0	
08/29/1994	ROD CAMPBELL	Stream	F	0	0	0	5000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent - upper 1/2 of stream dry.
		Mouth	F	0	0	0	0	0	
		Bay		0	0	0	0	0	
Dorenoi Bay SW 281-1001									
08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3200	0	DISTANCE SURVEYED: ENTIRE STREAM. Most of the fish are in the lower portion of the stream.
		Mouth	F	0	0	0	3500	0	
		Bay	P	0	0	0	0	0	
08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	14000	0	DISTANCE SURVEYED: ENTIRE STREAM. Most in lower portion of the stream.
		Mouth	G	0	0	0	1500	0	
		Bay	P	0	0	0	0	0	
08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	18000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
		Mouth	G	0	0	0	500	0	
		Bay		0	0	0	0	0	
San Diego Lgn & Strm 281-9004									
08/04/1994	JIM MCCULLOUGH	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	F	0	0	0	50	0	
		Bay	P	0	0	0	0	0	
08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
		Mouth	G	0	0	0	0	0	
		Bay		0	0	0	0	0	
W Side San Diego Bay 281-9003									
08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM. 200 chum salmon were in the lagoon.
		Mouth	G	0	0	0	0	200	
		Bay		0	0	0	0	0	
Rough Beach 281-9002									
08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4300	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	F	0	0	0	400	0	
		Bay	P	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	9000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	3500	0	
			Bay	P	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	20000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,000 pink carcasses.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
Swedania Pt. Stream 281-9001										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	250	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	2000	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	9500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	1500	0	
			Bay	F	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	15000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
Coleman Creek 281-8015										
	08/04/1994	JIM MCCULLOUGH	Stream	F	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	800	0	
			Bay	F	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 carcasses.
			Mouth	G	0	0	0	1000	0	
			Bay		0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	2200	700	DISTANCE SURVEYED: ENTIRE STREAM. Lots of chum salmon on the flats.
			Mouth	E	0	0	0	2000	10000	
			Bay	E	0	0	0	0	0	
Johnson Creek 281-8014										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	1200	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	3000	0	
			Bay	P	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/29/1994	ROD CAMPBELL		Stream	G	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. Salmon at mouth (saltwater) may have been coho, plus 1,200 pink carcasses.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
09/06/1994	JIM MCCULLOUGH		Stream	E	0	0	0	7500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	4500	500	
			Bay	G	0	0	0	0	0	
Foster's Camp Creek 281-8012										
08/04/1994	JIM MCCULLOUGH		Stream	P	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Rain.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
08/29/1994	ROD CAMPBELL		Stream	G	0	0	0	4000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink carcasses.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
09/06/1994	JIM MCCULLOUGH		Stream	G	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	150	0	
			Bay	E	0	0	0	0	0	
Monolith Pt. Creek 281-8011										
08/04/1994	JIM MCCULLOUGH		Stream	F	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	1500	0	
			Bay	P	0	0	0	0	0	
08/29/1994	ROD CAMPBELL		Stream	G	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
09/06/1994	JIM MCCULLOUGH		Stream	G	0	0	0	3000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	1500	0	
			Bay	G	0	0	0	0	0	
Foster Creek 281-8009										
08/04/1994	JIM MCCULLOUGH		Stream	G	0	0	0	2100	0	DISTANCE SURVEYED: ENTIRE STREAM. A few small schools of pink salmon were observed in Lefthand Bay.
			Mouth	G	0	0	0	1500	0	
			Bay	F	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3500	0	DISTANCE SURVEYED: ENTIRE STREAM. Saw nothing in the bay but the water was choppy.	
		Mouth	F	0	0	0	2000	0		
		Bay	F	0	0	0	0	0		
08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	13500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	14000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	E	0	0	0	500	0		
		Bay	E	0	0	0	0	0		
Lefthand Bay Kagayan 281-8008										
07/26/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	150	DISTANCE SURVEYED: ENTIRE STREAM. Three schools of pink salmon in the bay.	
		Mouth	G	0	0	0	500	0		
		Bay	F	0	0	0	1500	0		
08/03/1994	ROD CAMPBELL	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. I didn't see any fish.	
		Mouth	F	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
08/12/1994	JIM MCCULLOUGH	Stream	F	0	0	0	250	0	DISTANCE SURVEYED: LOWER MILE ONLY. Partial survey of lower mile only; stream was muddy.	
		Mouth	F	0	0	0	100	0		
		Bay	F	0	0	0	0	0		
08/29/1994	ROD CAMPBELL	Stream	P	0	0	500	7500	2000	DISTANCE SURVEYED: ENTIRE STREAM. Low light, dark stream bottom, murky water - species I.D. difficult.	
		Mouth	P	0	0	0	0	0		
		Bay		0	0	0	0	0		
09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	200	0	0	DISTANCE SURVEYED: PARTIAL SURVEY OF LOWER 1/2 MILE AND MOUTH ONLY.	
		Mouth	G	0	0	50	0	0		
		Bay	G	0	0	0	0	0		
Cape Aliaksin, East 281-8006										
08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	250	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	6000	0		
		Bay	P	0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/12/1994	JIM MCCULLOUGH	Stream	E	0	0	0	8500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	1500	0	
			Bay	F	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	10000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink salmon carcasses.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
Cape Aliaksin, Cntr 281-8005										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	500	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	E	0	0	0	3000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	500	0	
			Bay		0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	E	0	0	0	5000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,000 pink carcasses.
			Mouth	E	0	0	0	0	0	
			Bay		0	0	0	0	0	
Cape Aliaksin, West 281-8004										
	08/04/1994	JIM MCCULLOUGH	Stream	G	0	0	0	150	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	3500	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	E	0	0	0	7500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	2500	0	
			Bay	F	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	E	0	0	0	9000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 500 pink carcasses.
			Mouth	E	0	0	0	0	0	
			Bay		0	0	0	0	0	
Beaver River 281-7005										
	07/26/1994	JIM MCCULLOUGH	Stream	G	0	0	0	400	1500	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	F	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/03/1994	ROD CAMPBELL	Stream	P	0	0	0	2500	3000	DISTANCE SURVEYED: ENTIRE STREAM. Main stem muddy - observed fish movement, however no accurate estimate possible (maybe 4,000). Clear tributary - 1,500 pinks.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	E	0	0	0	25000	1500	DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 pink and 1,500 chum carcasses. Species I.D. at mouth difficult - may be some chum.
			Mouth	E	0	0	2000	0	0	
			Bay		0	0	0	0	0	
Smiley's Creek 281-7004	08/03/1994	ROD CAMPBELL	Stream	P	0	0	0	1000	0	DISTANCE SURVEYED: FIRST TWO MILES OF CREEK. Too windy.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/29/1994	ROD CAMPBELL	Stream	G	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
Unga Spit 282-1301	08/30/1994	JIM MCCULLOUGH	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing observed although a few seagulls were seen at stream mouth.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Dry Lagoon 282-1302	07/26/1994	JIM MCCULLOUGH	Stream	E	0	0	0	10000	2000	DISTANCE SURVEYED: ENTIRE STREAM. Fish still schooled in lower portion of the stream.
			Mouth	E	0	0	0	3500	0	
			Bay	G	0	0	0	0	0	
	08/03/1994	ROD CAMPBELL	Stream	G	0	0	0	2000	500	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	38500	0	DISTANCE SURVEYED: ENTIRE STREAM. Fish throughout the stream but most were in the lower portion of the stream. Good escapement.
			Mouth	G	0	0	0	200	0	
			Bay	F	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	10000 200 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,300 pink carcasses.
Bay Point 282-1303										
	07/26/1994	JIM MCCULLOUGH	Stream Mouth Bay	E E G	0 0 0	0 0 0	0 0 0	2000 3000 0	500 750 0	DISTANCE SURVEYED: ENTIRE STREAM. There were 1,000 pink and 500 chum salmon in the lagoon and 2,000 pink and 250 chum salmon at the stream mouth. Fish in the stream were in the lower portion of the stream.
	08/03/1994	ROD CAMPBELL	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	65000 0 0	2000 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
	08/12/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G P	0 0 0	0 0 0	0 0 0	43200 2000 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Some fish were scattered throughout the stream, but most were in lower river. 4,000 pinks in small fork and 200 in the lagoon. Good escapement.
	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	19000 500 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,800 salmon carcasses.
Pinnacle Point Strm. 282-1304										
	08/04/1994	ROD CAMPBELL	Stream Mouth Bay	P F F	0 0 0	0 0 0	0 0 0	25000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Dark stream bed in upper section of stream makes counting difficult.
	08/12/1994	JIM MCCULLOUGH	Stream Mouth Bay	E G F	0 0 0	0 0 0	0 0 0	65000 1500 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Big escapement for this stream.
	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	17000 500 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 4,500 pink carcasses.
2nd Str S of Pinn Pt 282-1305										
	08/04/1994	ROD CAMPBELL	Stream Mouth Bay	F F F	0 0 0	0 0 0	0 0 0	300 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
3rd Str S of Pinn Pt 282-1306										
	08/04/1994	ROD CAMPBELL	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Poor conditions - turbulent - low light. No fish seen in stream.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	150	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Apollo Creek Minor 282-1002										
	08/04/1994	ROD CAMPBELL	Stream	P	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Low light conditions.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	200	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	7200	0	DISTANCE SURVEYED: ENTIRE STREAM. Some pink carcasses.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 400 carcasses.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Apollo Creek Major 282-1003										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/04/1994	ROD CAMPBELL	Stream	P	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Low light conditions.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream		0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Stream mouth is blocked by a branch berm, not able to allow passage of fish.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3800	0	DISTANCE SURVEYED: ENTIRE STREAM. Some pink carcasses.
			Mouth	G	0	0	0	50	0	
			Bay	G	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	11000	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 carcasses.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Acheredin Lake 282-1004										
	08/12/1994	JIM MCCULLOUGH	Stream	E	0	3600	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Fish were mostly near A stream, colored and near spawning condition.
			Mouth	G	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	3500	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. All observed fish were near stream A (Northeast stream). Streams B and C look too heavily mineralized to support fish.
			Mouth	G	0	0	25	0	0	
			Bay	G	0	0	0	0	0	
Unnamed 1010 282-1010										
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
			Mouth	G	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Apollo Gold Mine 282-1011										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM. Most fish were schooled in lower portion of the stream.
			Mouth	G	0	0	0	200	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream		0	0	0	0	0	DISTANCE SURVEYED: BAY AND MOUTH. Plus 600 salmon in bay off mouth of stream.
			Mouth	E	0	0	0	200	0	
			Bay	E	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3600	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 pink carcasses.
			Mouth	G	0	0	0	500	0	
			Bay	G	0	0	0	0	0	
	09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	8000	1500	DISTANCE SURVEYED: ENTIRE STREAM. Plus 800 pink carcasses.
			Mouth	G	0	0	0	1500	0	
			Bay	G	0	0	0	0	0	
Unga Cape Stream 282-1012										
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	125	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	50	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	50	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	25	0	
			Bay	G	0	0	0	0	0	
Johnny Nelson Lake 282-1013										
	08/03/1994	JIM MCCULLOUGH	Stream		0	50	0	1000	0	DISTANCE SURVEYED: ENTIRE STREAM. Most salmon were along the east shore (ocean side) of the lake. Saw a few salmon near the stream mouth.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	E	0	500	0	3500	250	DISTANCE SURVEYED: ENTIRE STREAM. Good escapement to the lake.
			Mouth	G	0	0	0	300	0	
			Bay	P	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	500	0	4700	250	DISTANCE SURVEYED: ENTIRE STREAM. Number of salmon in stream also includes fish in the lake.
			Mouth	G	0	0	25	0	0	
			Bay	G	0	0	0	0	0	

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
09/06/1994	JIM MCCULLOUGH	Stream	E	0	1100	50	2100	50	DISTANCE SURVEYED: ENTIRE STREAM. Sockeye spawning along west and south lake shores and inlet creek.
		Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
Squaw Hbr. Minor 282-1014 08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM. Bay was choppy.
		Mouth	G	0	0	0	200	0	
		Bay	P	0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	350	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	3000	0	
		Bay	G	0	0	0	0	0	
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	1300	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
Squaw Hbr. Major 282-1015 08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	6600	0	DISTANCE SURVEYED: ENTIRE STREAM. The wind caused the bay to be choppy. Most fish were schooled in lower portion of the stream.
		Mouth	G	0	0	0	0	0	
		Bay	P	0	0	0	0	0	
08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: BAY ONLY.
		Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	F	0	0	0	18600	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	15600	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	21000	0	DISTANCE SURVEYED: ENTIRE STREAM. Fish are not all the way upstream yet, still mostly in lower portion of the stream.
		Mouth	G	0	0	0	2000	0	
		Bay	G	0	0	0	0	0	

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
09/06/1994	JIM MCCULLOUGH	Stream	E	0	0	0	25000	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	E	0	0	0	0	0	
		Bay	E	0	0	0	0	0	
Ben Green Bight-Farm 282-1016									
08/04/1994	ROD CAMPBELL	Stream	G	0	0	0	900	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	300	0	
		Bay	G	0	0	0	0	0	
08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	3200	0	DISTANCE SURVEYED: ENTIRE STREAM
		Mouth	G	0	0	0	5500	0	
		Bay		0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	4100	0	DISTANCE SURVEYED: ENTIRE STREAM. 2,500 of the pink salmon considered instream were actually in the lagoon. Additional 500 pink carcasses.
		Mouth	G	0	0	0	4000	0	
		Bay	G	0	0	0	0	0	
09/06/1994	JIM MCCULLOUGH	Stream	G	0	0	0	8000	500	DISTANCE SURVEYED: ENTIRE STREAM. Plus 2,500 pink salmon in the lagoon. Plus 1,000 pink and 200 chum carcasses.
		Mouth	E	0	0	0	500	0	
		Bay	E	0	0	0	0	0	
Red Cove-Popof 282-1020									
08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Outflow may need some effort to open a channel. No salmon observed in the lake.
		Mouth	G	0	0	400	0	0	
		Bay	G	0	0	0	0	0	
Zachary Bay 1210 282-1210									
07/26/1994	JIM MCCULLOUGH	Stream		0	0	0	0	600	DISTANCE SURVEYED: BAY ONLY.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Zachary Bay conditions only fair but counted 5,700 pinks along the stream mouths. Most were at 04 and 05 mouth.
		Mouth	F	0	0	0	500	0	
		Bay	F	0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	0	
		Bay	G	0	0	0	0	0	
1st Stm S. of Qtz Pt 282-1209									

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	75 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 350 salmon carcasses.
2nd Stm S. of Qtz Pt 282-1208	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	50 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 300 salmon carcasses.
Zachary Bay 1207 282-1207	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	25 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 175 salmon carcasses.
Zachary Bay 1206 282-1206	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. No salmon and no carcasses.
Zachary Bay 1205 282-1205	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	2500 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 1,500 salmon carcasses.
Zachary Bay 1204 282-1204	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	50 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 200 salmon carcasses.
Zachary Bay 1203 282-1203	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	200 150 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 400 salmon carcasses.
Zachary Bay 1202 282-1202	08/30/1994	JIM MCCULLOUGH	Stream Mouth Bay	G G G	0 0 0	0 0 0	0 0 0	50 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 250 pink carcasses.
Coal Harbor West 282-1201										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	50	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	100	0	
			Bay	G	0	0	0	0	0	
Humboldt Creek-Popof 282-1018										
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	50	0	
			Bay	G	0	0	0	0	0	
	09/20/1994	JIM MCCULLOUGH	Stream	G	0	0	25	200	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Salmon Ranch-Popof 282-1101										
	08/04/1994	JIM MCCULLOUGH	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent - poor visibility.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	400	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent, count may be low.
			Mouth	F	0	0	0	1500	0	
			Bay	P	0	0	0	0	0	
	08/15/1994	ROD CAMPBELL	Stream	E	0	0	0	500	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
	08/30/1994	JIM MCCULLOUGH	Stream	G	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 350 pink carcasses.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Fox Hole-Popof 282-1103										
	08/04/1994	JIM MCCULLOUGH	Stream	F	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 100 pinks in the lagoon.
			Mouth	F	0	0	0	1500	0	
			Bay	F	0	0	0	0	0	
	08/12/1994	JIM MCCULLOUGH	Stream	G	0	0	0	350	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent, so survey was only fair, had to fly high above the stream and count is likely low.
			Mouth	G	0	0	0	150	0	
			Bay	F	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/15/1994	ROD CAMPBELL		Stream	E	0	0	0	1000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	1500	0	
			Bay	E	0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH		Stream	G	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM. Plus 600 salmon carcasses.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
W Side Korovin Bay 282-1105										
08/15/1994	ROD CAMPBELL		Stream	E	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH		Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
Korovin Lake 282-1106										
08/15/1994	ROD CAMPBELL		Stream	E	0	50	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay	E	0	0	0	0	0	
08/30/1994	JIM MCCULLOUGH		Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
MCGINTY'S POINT 283-7003										
08/03/1994	ROD CAMPBELL		Stream	G	0	0	0	1300	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
08/10/1994	ARNIE SHAUL		Stream	P	0	0	0	1800	0	DISTANCE SURVEYED: ENTIRE STREAM. Murky water, but definitely no large number of fish.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL		Stream	G	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
E. of Mino Creek 283-7002										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/03/1994	ROD CAMPBELL		Stream	G	0	0	0	4600	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	0	
			Bay	G	0	0	0	0	0	
08/10/1994	ARNIE SHAUL		Stream	P	0	0	0	3800	0	DISTANCE SURVEYED: ENTIRE STREAM. Murky water, but definitely no large number of fish.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL		Stream	G	0	0	0	35000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Count includes 5,000 estimate for upper reaches which weren't surveyed.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Mino Creek 283-7001										
07/14/1994	ARNIE SHAUL		Stream	G	0	0	0	2000	300	DISTANCE SURVEYED: ENTIRE STREAM. Cherokee survey.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
07/25/1994	BOB BERCELI		Stream	F	0	0	0	36300	0	DISTANCE SURVEYED: BELOW FORKS ONLY. All down stream from forks - upper portion obscured by fog.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
08/01/1994	ARNIE SHAUL		Stream	E	0	0	0	64000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay		0	0	0	0	0	
08/03/1994	ROD CAMPBELL		Stream	G	0	0	0	80000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	500	0	
			Bay	F	0	0	0	0	0	
08/05/1994	ARNIE SHAUL		Stream	E	0	0	0	91400	0	DISTANCE SURVEYED: ENTIRE STREAM. 72,000 below E. fork, 6,400 in E., 13,000 above E.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/10/1994	ARNIE SHAUL		Stream	E	0	0	0	99000	0	DISTANCE SURVEYED: ENTIRE STREAM. 79,000 below E. fork 13,000 above E. fork, 7,000 in E. fork.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/26/1994	ARNIE SHAUL		Stream	G	0	600	0	168000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent. Count includes a 20,000 pink estimate for unsurveyed upper reaches. Sockeye count includes a 300 estimate for D Lake which was not surveyed.
			Mouth	P	0	0	0	0	0	
			Bay		0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Coal Bay Main Stream 283-6205										
07/25/1994	BOB BERCELI	Stream	F	0	0	0	1170	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
08/01/1994	ARNIE SHAUL	Stream	G	0	0	0	12000	0	DISTANCE SURVEYED: ENTIRE STREAM. Helicopter survey.	
		Mouth	G	0	0	0	10000	0		
		Bay		0	0	0	0	0		
08/03/1994	ROD CAMPBELL	Stream	G	0	0	0	6000	0	DISTANCE SURVEYED: ENTIRE STREAM. Two - three jumpers off the mouth.	
		Mouth	G	0	0	0	1500	0		
		Bay	G	0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	12000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	5000	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	13600	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	49000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	100000	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Coal Bay unnamed 283-6204										
08/01/1994	ARNIE SHAUL	Stream	G	0	0	0	11000	0	DISTANCE SURVEYED: ENTIRE STREAM. Helicopter survey.	
		Mouth	F	0	0	0	500	0		
		Bay		0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	G	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	1000	0		
		Bay		0	0	0	0	0		

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## Appendix D. (page 29 of 60)

Stream MM-DD-YYYY	Date Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/10/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	7000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	20000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.
Coal Bay 6203 283-6203									
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	6000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
Coal Bay 6202 283-6202									
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	4000 500 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
Cape Tolstoi 283-6201									
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	6000 5000 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
Settlement Point 283-6316									
07/08/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	500 300 0	0 0 0	DISTANCE SURVEYED: 1/2 MILE. Turbulent.
07/14/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	9400 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Very few above forks. Cherokee survey.
07/22/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	38000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. 13,000 above forks.
07/25/1994	BOB BERCELI	Stream Mouth Bay	F P P	0 0 0	0 0 0	0 0 0	37100 100 0	0 0 0	DISTANCE SURVEYED: PARTIAL. Could not survey right fork due to fog.

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	126000	0	DISTANCE SURVEYED: PARTIAL. Didn't survey right fork, likely another 5-10,000. Helicopter survey.	
		Mouth	E	0	0	0	4000	0		
		Bay		0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	130700	0	DISTANCE SURVEYED: ENTIRE STREAM. 51,000 above forks, 14,700 in right fork, 63,000 below.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	66000	2000	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Middle Creek 283-6315										
07/08/1994	ARNIE SHAUL	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: 1/2 MILE. Saw nothing.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
07/14/1994	ARNIE SHAUL	Stream	G	0	0	0	4000	0	DISTANCE SURVEYED: ENTIRE STREAM. Cherokee survey.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/22/1994	ARNIE SHAUL	Stream	G	0	0	0	36000	0	DISTANCE SURVEYED: ENTIRE STREAM. 3,000 in fork. Looks very good for this date.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/25/1994	BOB BERCELI	Stream	F	0	0	0	33800	0	DISTANCE SURVEYED: TO FALLS. Surveyed to falls - could not survey upper portion of right fork due to fog.	
		Mouth	F	0	0	0	10000	0		
		Bay	P	0	0	0	0	0		
08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	105600	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.	
		Mouth	E	0	0	0	5000	0		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream		0	0	0	57000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Ness Creek 283-6410										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	400	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	1000	0	
			Bay		0	0	0	0	0	
	08/27/1994	ARNIE SHAUL	Stream		0	0	0	1600	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Inner Canoe,S Side 283-6409										
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	0	100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	1000	
			Bay		0	0	0	0	0	
	08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	0	1400	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Entrance Creek 283-6408										
	08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	1800	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	6000	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	5000	1000	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	1000	
			Bay		0	0	0	0	0	
	08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	6000	1700	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Wolverine Gulch 283-6407										
	08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	1600	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Canoe Bay River 283-6406										
	07/08/1994	ARNIE SHAUL	Stream	G	0	0	0	0	2000	DISTANCE SURVEYED: ENTIRE STREAM. Bay choppy. Turbulent. Cherokee survey.
			Mouth	G	0	0	0	0	3500	
			Bay	P	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/14/1994	ARNIE SHAUL	Stream	G	0	1500	0	0	8000	DISTANCE SURVEYED: ENTIRE STREAM. Additional 5,000 plus in inner bay.	
		Mouth	F	0	0	0	0	5000		
		Bay		0	0	0	0	0		
07/22/1994	ARNIE SHAUL	Stream	G	0	0	0	0	30000	DISTANCE SURVEYED: ENTIRE STREAM. Mouth and inner bay poor visibility for survey.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
08/01/1994	ARNIE SHAUL	Stream	E	0	2000	0	0	35000	DISTANCE SURVEYED: ENTIRE STREAM. An additional 20,000 plus in inner bay, most off Bluff Point and Entrance Creeks.	
		Mouth	G	0	0	0	0	10000		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	F	0	2000	0	1000	60000	DISTANCE SURVEYED: ENTIRE STREAM. Murky in lower 3/4, but there was some visibility.	
		Mouth	G	0	0	0	0	6000		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	5400	35000	DISTANCE SURVEYED: LOWER 4 MILES ONLY. Likely another 10-12,000 pinks and 5-10,000 chums above. 32,000 chums in lower end, schooled. 2,000 pinks in outer bay.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Bluff Point Creek 283-6405										
08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	600	100	DISTANCE SURVEYED: 1/2 MILE.	
		Mouth	G	0	0	0	0	12000		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	1000	6200	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	4000		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	3000	3500	DISTANCE SURVEYED: LOWER TWO MILES ONLY. Probably 3,000 pinks and 500 chums above. 2,000 pinks on outer bay.	
		Mouth		0	0	0	0	1500		
		Bay		0	0	0	0	0		
Ruby's Lagoon 283-6313										
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	700	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,200 chums in lagoon.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	0	2200	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums in lagoon.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/06/1994	ARNIE SHAUL	Stream	G	0	0	0	0	2200	DISTANCE SURVEYED: ENTIRE STREAM. 8,000 chums in lagoon plus 700 at lagoon mouth.
			Mouth	G	0	0	0	0	0	
			Bay		0	0	0	0	0	
Chinaman Lgn North 283-6311	08/18/1994	ARNIE SHAUL	Stream		0	0	0	0	0	DISTANCE SURVEYED: LAGOON ONLY.
			Mouth	G	0	0	0	0	1100	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing. May have backed out with tide.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/06/1994	ARNIE SHAUL	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	600	
			Bay		0	0	0	0	0	
Chinaman Lgn Main 283-6310	08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	200	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	3500	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Low tide, more may have backed out into deep choppy water.
			Mouth	P	0	0	0	0	6000	
			Bay		0	0	0	0	0	
	09/06/1994	ARNIE SHAUL	Stream	G	0	0	0	0	100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	9000	
			Bay		0	0	0	0	0	
Lower Chinaman Lgn 283-6305	08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	1300	
			Bay		0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/28/1994	ARNIE SHAUL	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Saw none in 6305 or 6306. Mouth choppy, low tide probably caused fish to back into deeper water.
			Mouth	P	0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/06/1994	ARNIE SHAUL	Stream	G	0	0	0	0	3400	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	1000	
			Bay		0	0	0	0	0	
Strm S of Chinaman L 283-6304										
	08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	500	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	1000	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/06/1994	ARNIE SHAUL	Stream		0	0	0	0	1200	DISTANCE SURVEYED: ENTIRE STREAM. Spawning.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Spring Fed Lakes 283-6104										
	08/05/1994	ARNIE SHAUL	Stream	E	0	1000	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. 90% spawning.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	700	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/27/1994	ARNIE SHAUL	Stream	G	0	0	50	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
Long John Lgn, 2 S. 283-6103										
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
SW. Strm, Long J.Lgn 283-6102										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	0	200	DISTANCE SURVEYED: ENTIRE STREAM. 800 chums in pothole. Poor visibility in lagoon.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	0	600	DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 chums in pothole near stream mouth.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	50	800	DISTANCE SURVEYED: ENTIRE STREAM. Additional 1,500 chums in pothole. Nothing in lagoon.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	200	2400	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums in pothole and 4,000 chums in lagoon.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	400	2600	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums in "pothole" and 2,000 chums in lagoon.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/27/1994	ARNIE SHAUL	Stream	E	0	0	0	2900	3100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	0	0	
			Bay		0	0	0	0	0	
Volcano River 283-5208										
	08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	300	700	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	2000	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	500	2000	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	E	0	0	0	0	3000	
			Bay		0	0	0	0	0	
	08/15/1994	BOB BERCELI	Stream	E	0	0	0	2000	6000	DISTANCE SURVEYED: ENTIRE STREAM. Fish on flats combined with those I saw off of 5207. P.P.S.F. reports many of these fish backed out and were caught in the fishery off Arch Point.
			Mouth	E	0	0	0	0	4800	
			Bay	E	0	0	0	0	47000	
	08/18/1994	ARNIE SHAUL	Stream	E	0	0	0	5100	1200	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	10000	
			Bay		0	0	0	0	0	

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	11000	5000	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	14000	
		Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	6000	DISTANCE SURVEYED: PARTIAL. Turbulent. Didn't survey left fork. Only counted chums.
		Mouth	G	0	0	0	0	12000	
		Bay		0	0	0	0	0	
09/02/1994	ARNIE SHAUL	Stream	E	0	0	0	4000	16000	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	13000	
		Bay		0	0	0	0	0	
09/27/1994	ARNIE SHAUL	Stream	E	0	0	0	0	8000	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	200	
		Bay		0	0	0	0	0	
Volcano Sloughs-Ctr 283-5207 08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing in sloughs.
		Mouth	G	0	0	0	0	3000	
		Bay		0	0	0	0	0	
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	400	100	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	F	0	0	0	0	4000	
		Bay		0	0	0	0	0	
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	800	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	11000	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream		0	0	0	0	0	DISTANCE SURVEYED: FLATS ONLY. Didn't survey stream.
		Mouth	G	0	0	0	0	19000	
		Bay		0	0	0	0	0	
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	500	900	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	24000	
		Bay		0	0	0	0	0	
09/27/1994	ARNIE SHAUL	Stream	G	0	0	0	0	6500	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	G	0	0	0	0	4000	
		Bay		0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
West Spring Holes 283-5206										
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	700	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	1300	700	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	E	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/15/1994	BOB BERCELI	Stream	E	0	0	0	4000	2000	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	E	0	0	0	0	2000		
		Bay	E	0	0	0	0	8000		
08/18/1994	ARNIE SHAUL	Stream	E	0	0	0	4200	200	DISTANCE SURVEYED: ENTIRE STREAM. 15,000 pinks and chums on flats.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	16000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	5000		
		Bay		0	0	0	0	0		
09/27/1994	ARNIE SHAUL	Stream	G	0	0	0	1500	500	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Stream Guard Creek 283-5205										
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	500		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek.	
		Mouth	G	0	0	0	0	5000		
		Bay		0	0	0	0	0		
09/27/1994	ARNIE SHAUL	Stream	G	0	0	0	0	300	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Stub Creek 283-5204										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/18/1994	ARNIE SHAUL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	4000	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	2300	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	5000	0		
		Bay		0	0	0	0	0		
Little Bear Bay 283-5203										
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	0	300	DISTANCE SURVEYED: ENTIRE STREAM. Pink salmon fork dry, 5-10,000 carcasses at mouth, probably pinks which died without spawning.	
		Mouth	F	0	0	0	0	5000		
		Bay		0	0	0	0	0		
Nikolaski 283-5201										
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	400	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	6000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	G	0	0	0	8700	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	3000	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	21000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	1000	0		
		Bay		0	0	0	0	0		
Dolgoi Hbr, Normal 283-5103										
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	1000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Dolgoi Hbr, SW 283-5106										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/05/1994	ARNIE SHAUL	Stream	G	0	0	0	700	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	E	0	0	0	3000	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	G	0	0	0	2800	0	DISTANCE SURVEYED: ENTIRE STREAM. A couple hundred additional carcasses in upper end.	
		Mouth	F	0	0	0	3000	0		
		Bay		0	0	0	0	0		
08/15/1994	BOB BERCELI	Stream	E	0	0	0	1800	0	DISTANCE SURVEYED: ENTIRE STREAM. Could not survey creek all that well. Cherokee survey.	
		Mouth	E	0	0	0	0	0		
		Bay	E	0	0	0	6000	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	3600	0	DISTANCE SURVEYED: ENTIRE STREAM. Mouth was likely "hit".	
		Mouth	G	0	0	0	3000	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	4400	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
Dolgoi Hbr, South 283-5105										
08/15/1994	BOB BERCELI	Stream	P	0	0	0	0	0	DISTANCE SURVEYED: PARTIAL. Did not survey creek. Cherokee survey.	
		Mouth	E	0	0	0	0	0		
		Bay	E	0	0	0	9000	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	1000	0	DISTANCE SURVEYED: ENTIRE STREAM. Additional 500 carcasses.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Belkofski Village Cr 283-4101										
08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	7100	0	DISTANCE SURVEYED: ENTIRE STREAM. Helicopter survey.	
		Mouth	G	0	0	0	7000	0		
		Bay		0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	10500	0	DISTANCE SURVEYED: ENTIRE STREAM. Very few in lower 1/4 mile; one boat.	
		Mouth	E	0	0	0	3000	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	17700	0	DISTANCE SURVEYED: ENTIRE STREAM. Saw nothing at mouth.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	E	0	0	0	56000	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	37000	700	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
Rocky River 283-4212										
08/01/1994	ARNIE SHAUL	Stream	E	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	10000	0		
		Bay		0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	20000	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	17000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	2000	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	E	0	0	0	32000	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.	
		Mouth	G	0	0	0	3000	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	47000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Kitchen Anchorage 283-4210										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/05/1994	ARNIE SHAUL	Stream	Mouth	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek. Four purse seiners.
				G	0	0	0	5000	0	
					0	0	0	0	0	
08/12/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Grumman Goose survey.
					0	0	0	5000	0	
					0	0	0	0	0	
08/18/1994	ARNIE SHAUL	Stream	Mouth	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Additional 2,000 pinks along beach.
				G	0	0	0	4000	0	
					0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3-4,000 along beach.
				G	0	0	0	5000	0	
					0	0	0	0	0	
09/02/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	10000	0	DISTANCE SURVEYED: ENTIRE STREAM.
				G	0	0	0	5000	0	
				G	0	0	0	2000	0	
Captain's Harbor 283-4209										
08/18/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing. 10,000 plus chums in harbor.
					0	0	0	0	0	
					0	0	0	0	0	
09/02/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	3200	400	DISTANCE SURVEYED: ENTIRE STREAM.
				G	0	0	0	0	0	
					0	0	0	0	0	
Belkofski Bay River 283-4207										
08/05/1994	ARNIE SHAUL	Stream	Mouth	E	0	0	0	0	700	DISTANCE SURVEYED: ENTIRE STREAM. 6,000 chums in Captain's Harbor.
				F	0	0	0	0	0	
					0	0	0	0	0	
08/12/1994	ARNIE SHAUL	Stream	Mouth	G	0	0	0	900	5200	DISTANCE SURVEYED: ENTIRE STREAM.
					0	0	0	0	0	
					0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	2500	7500	DISTANCE SURVEYED: ENTIRE STREAM. Most chums in lower end and most pinks spawning. Additional 10,000 plus chums in Captain's Harbor.	
		Mouth	G	0	0	0	0	8000		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	9000	64000	DISTANCE SURVEYED: ENTIRE STREAM. Additional 3,000 chums in Captain's Harbor.	
		Mouth	G	0	0	0	0	16000		
		Bay		0	0	0	0	0		
Belkofski Bay Beach 283-4206										
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	E	0	0	0	1300	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	1900	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Belkofski Bay, West 283-4205										
08/01/1994	ARNIE SHAUL	Stream	G	0	0	0	700	0	DISTANCE SURVEYED: ENTIRE STREAM. Helicopter survey.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	G	0	0	0	900	0	DISTANCE SURVEYED: ENTIRE SURVEY.	
		Mouth	G	0	0	0	1000	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	6700	0	DISTANCE SURVEYED: ENTIRE SURVEY. 2-3,000 along beach to south.	
		Mouth	G	0	0	0	500	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	5300	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Indian Head 283-4203										

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	08/18/1994	ARNIE SHAUL	Stream	E	0	0	0	1800	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	5700	0	DISTANCE SURVEYED: ENTIRE STREAM. Additional 4,000 pinks along beach.
			Mouth	G	0	0	0	5000	0	
			Bay		0	0	0	0	0	
Ram's Creek 283-3305										
	08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	1500	0	DISTANCE SURVEYED: ENTIRE STREAM. 500 above culvert.
			Mouth	G	0	0	0	5000	0	
			Bay		0	0	0	0	0	
	08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	2800	0	DISTANCE SURVEYED: ENTIRE STREAM. 1,500 above culverts.
			Mouth	G	0	0	0	5000	0	
			Bay		0	0	0	0	0	
	09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	25000	0	DISTANCE SURVEYED: ENTIRE STREAM. 10,000 above culvert.
			Mouth	G	0	0	0	2000	0	
			Bay		0	0	0	0	0	
Head King Cove Lgn 283-3304										
	09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	0	500	DISTANCE SURVEYED: ENTIRE STREAM. Additional 10,000 chums along northeast side of lagoon.
			Mouth	G	0	0	0	0	5000	
			Bay		0	0	0	0	0	
W Side King Cove Lgn 283-3303										
	09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	0	100	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	0	3000	
			Bay		0	0	0	0	0	
Fox Island Anc. East 283-3101										
	07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	07/25/1994	BOB BERCELI	Stream	G	0	0	0	5000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	19400	0	DISTANCE SURVEYED: LOWER 3/4 OF CREEK. Turbulent, likely another 4-5,000 above.
			Mouth	G	0	0	0	15000	0	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	29000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	30000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	3000	0	
			Bay		0	0	0	0	0	
Fox Island Anc. Ctr. 283-3102										
	07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	07/25/1994	BOB BERCELI	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0	
			Bay	P	0	0	0	0	0	
	07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	600	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	1300	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	2800	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	500	0	
			Bay		0	0	0	0	0	
Fox Island Anc. West 283-3103										
	07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	9000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/25/1994	BOB BERCELI	Stream	G	0	0	0	6500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	14600	0	DISTANCE SURVEYED: LOWER 80% Probably another 2-3,000 above	
		Mouth	G	0	0	0	10000	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	45000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	23000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	F	0	0	0	0	0		
		Bay		0	0	0	0	0		
Paw Cape (Deer Isl.) 283-3105										
07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	600	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/25/1994	BOB BERCELI	Stream		0	0	0	1200	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	7400	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	18500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Southern Creek 283-3106										
07/13/1994	ARNIE SHAUL	Stream	G	0	0	0	600	0	DISTANCE SURVEYED: ENTIRE STREAM. Below first bend.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream MM-DD-YYYY	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	38000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/25/1994	BOB BERCELI	Stream	G	0	0	0	41600	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay	P	0	0	0	0	0		
07/29/1994	ARNIE SHAUL	Stream	E	0	0	0	132000	0	DISTANCE SURVEYED: 3 MILES. Impressive. Probably another	
		Mouth	E	0	0	0	4500	0	5-10,000 above.	
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	216000	0	DISTANCE SURVEYED: ENTIRE STREAM. Impressive.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	175000	0	DISTANCE SURVEYED: ENTIRE STREAM. Additional masses of	
		Mouth	P	0	0	0	0	0	carcasses.	
		Bay		0	0	0	0	0		
Eastern Creek 283-3110										
07/13/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/23/1994	ARNIE SHAUL	Stream	E	0	0	0	21700	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/25/1994	BOB BERCELI	Stream	G	0	0	0	25900	0	DISTANCE SURVEYED: ENTIRE STREAM. Tide out - did not see	
		Mouth	P	0	0	0	0	0	anything off mouth.	
		Bay	P	0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	E	0	0	0	20700	0	DISTANCE SURVEYED: ENTIRE STREAM. Lots in lower end.	
		Mouth	E	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	6500	0	DISTANCE SURVEYED: ENTIRE STREAM. Turbulent.	
		Mouth	G	0	0	0	2000	0		
		Bay		0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
Lenard Hbr. South 283-3411										
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	2500	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	7000	0		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
Delta Crk. Lenard Hb 283-3410										
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing.	
		Mouth	G	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	G	0	0	0	500	1300	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	1200	6500	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	8000		
		Bay		0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	11000	11000	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	7000		
		Bay		0	0	0	0	0		
Barney's Creek 283-3409										
08/01/1994	ARNIE SHAUL	Stream	G	0	0	0	300	0	DISTANCE SURVEYED: ENTIRE STREAM, Helicopter survey.	
		Mouth	F	0	0	0	0	0		
		Bay		0	0	0	0	0		
08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	5000	0		
		Bay		0	0	0	0	0		
08/12/1994	ARNIE SHAUL	Stream	E	0	0	0	4000	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	6000	800		DISTANCE SURVEYED: ENTIRE STREAM.
			G	0	0	0	15000	5000		
			Bay	0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G	0	0	0	25000	3200		DISTANCE SURVEYED: ENTIRE STREAM. Main creek is changing course into chum slough.
			G	0	0	0	0	3000		
			Bay	0	0	0	0	0		
Kinzarof Lagoon 283-3407 08/22/1994	BOB BERCELI	Stream	G	0	1310	0	0	0		DISTANCE SURVEYED: ENTIRE STREAM. Most in the two lake systems.
				0	0	0	0	0		
			Bay	0	0	0	0	0		
Kinzarof Lgn, Middle 283-3406 08/22/1994	BOB BERCELI	Stream	G	0	150	0	0	0		DISTANCE SURVEYED: ENTIRE STREAM.
				0	0	0	0	0		
			Bay	0	0	0	0	0		
Kinzarof Lgn, North 283-3405 08/22/1994	BOB BERCELI	Stream	G	0	440	0	0	0		DISTANCE SURVEYED: ENTIRE STREAM.
				0	0	100	0	0		
			Bay	0	0	0	0	0		
Trout Creek 283-3403 08/19/1994	ARNIE SHAUL	Stream	G	0	50	0	450	250		DISTANCE SURVEYED: ENTIRE STREAM. Reds in south lake, most pinks and chums in lower end.
				0	0	0	0	0		
			Bay	0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	75	900	0	100		DISTANCE SURVEYED: ENTIRE STREAM.
				0	0	0	0	0		
			Bay	0	0	0	0	0		
Russel Creek 283-3402 07/23/1994	ARNIE SHAUL	Stream	G	0	0	0	2000	10600		DISTANCE SURVEYED: ENTIRE STREAM. 600 chums above hatchery.
				0	0	0	0	0		
			Bay	0	0	0	0	0		
07/29/1994	ARNIE SHAUL	Stream	P	0	0	0	17000	34000		DISTANCE SURVEYED: ENTIRE STREAM. Murky water, species composition very rough. 1,000 chums seen above hatchery.
				0	0	0	0	0		
			Bay	0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/05/1994	ARNIE SHAUL	Stream	G	0	0	0	6000	34000	DISTANCE SURVEYED: ENTIRE STREAM. 3,800 chums and 3,000 pinks above hatchery.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	37000	36000	DISTANCE SURVEYED: ENTIRE STREAM. 16,000 pinks and 10,000 chums above hatchery.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	E	0	30	0	3000	26000	DISTANCE SURVEYED: ENTIRE STREAM. 11,000 chums and 2,000 pinks above hatchery.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Mortensen Lagoon 283-3401										
08/18/1994	ARNIE SHAUL	Stream	G	0	50	0	0	0	DISTANCE SURVEYED: CREEK ONLY.	
		Mouth		0	1000	0	0	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	1300	0	0	0	DISTANCE SURVEYED: CREEK ONLY.	
		Mouth	G	0	3000	0	0	0		
		Bay		0	0	0	0	0		
09/06/1994	ARNIE SHAUL	Stream	G	0	1700	0	0	0	DISTANCE SURVEYED: CREEK ONLY.	
		Mouth	G	0	1200	0	0	0		
		Bay		0	0	0	0	0		
09/20/1994	ARNIE SHAUL	Stream	E	0	2800	0	0	0	DISTANCE SURVEYED: CREEK ONLY.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
Old Man's Lagoon Str 283-3201										
07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	0	200	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G	0	0	0	0	3500	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	0	900	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Thin Pt Lgn & Entr. 283-2006									
07/13/1994	ARNIE SHAUL	Stream	G	0	2000	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. High tide. Cherokee survey.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
07/19/1994	ARNIE SHAUL	Stream	G	0	1500	0	0	0	DISTANCE SURVEYED: ENTIRE.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
07/23/1994	ARNIE SHAUL	Stream	G	0	2000	0	0	0	DISTANCE SURVEYED: ENTIRE. Most were fresh looking, in lower end.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
07/29/1994	ARNIE SHAUL	Stream	G	0	6600	0	0	0	DISTANCE SURVEYED: LAGOON ONLY.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/04/1994	ARNIE SHAUL	Stream	G	0	7300	0	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL. Most old fish, no sign of large numbers of fresh fish moving in. Weir accumulative count 3,200. Cherokee survey.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/05/1994	ARNIE SHAUL	Stream	G	0	5700	0	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL. 5,700 reds listed in stream were in lagoon. Jumpers along beach. Weir accumulative count 3,900.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/18/1994	ARNIE SHAUL	Stream	G	0	9600	0	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL. Some undoubtedly were coho.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	G	0	4800	0	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL. Could only see dark fish. Accumulative weir count: 16,900. Grumman Goose survey.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL	Stream	G	0	2000	9000	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	

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Stream	Date	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
	09/02/1994	ARNIE SHAUL	Stream	G	0	2700	13000	0	0	DISTANCE SURVEYED: LAGOON AND OUTLET CHANNEL.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
SW Bight Creek 283-2004										
	07/23/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/01/1994	BOB BERCELI	Stream	G	0	0	0	1900	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/04/1994	ARNIE SHAUL	Stream	G	0	0	0	4000	0	DISTANCE SURVEYED: ENTIRE STREAM. Cherokee survey.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/05/1994	ARNIE SHAUL	Stream	E	0	0	0	2800	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	400	0	
			Bay		0	0	0	0	0	
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	6100	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	9000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
McGinty's Creek 283-2003										
	07/23/1994	ARNIE SHAUL	Stream	G	0	0	0	700	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
	07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	10700	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	3000	0	
			Bay		0	0	0	0	0	

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer	Remarks
					Chinook	Sockeye	Coho	Pink	Chum		
	08/01/1994	BOB BERCELI	Stream	G	0	0	0	5700	0		DISTANCE SURVEYED: ENTIRE STREAM. High altitude survey.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/03/1994	ARNIE SHAUL	Stream	G	0	0	0	18400	0		DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	18000	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
Sandy Cove Stream 283-2001											
07/23/1994	ARNIE SHAUL	Stream	E		0	0	0	0	800		DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth			0	0	0	0	0		
		Bay			0	0	0	0	0		
07/29/1994	ARNIE SHAUL	Stream	E		0	0	0	600	1500		DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth			0	0	0	0	0		
		Bay			0	0	0	0	0		
08/03/1994	ARNIE SHAUL	Stream	E		0	0	0	1000	4000		DISTANCE SURVEYED: ENTIRE STREAM. Good showing of chums at
		Mouth			0	0	0	0	0		mouth and along beach. Cherokee survey.
		Bay			0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G		0	0	0	1300	14000		DISTANCE SURVEYED: ENTIRE STREAM. Two boats.
		Mouth	F		0	0	0	0	4500		
		Bay			0	0	0	0	0		
08/18/1994	ARNIE SHAUL	Stream	G		0	0	0	3000	27000		DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth			0	0	0	0	0		
		Bay			0	0	0	0	0		
09/02/1994	ARNIE SHAUL	Stream	G		0	0	0	6000	57000		DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth			0	0	0	0	0		
		Bay			0	0	0	0	0		
Near Egg Island 283-1101											

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Stream MM-DD-YYYY	Date Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
07/23/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	100 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/06/1994	BOB BERCELI	Stream Mouth Bay		0 0 0	0 0 0	0 0 0	600 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/10/1994	ARNIE SHAUL	Stream Mouth Bay	F	0 0 0	0 0 0	0 0 0	500 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Poor light.
08/22/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	5000 0 0	1000 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Grumman Goose survey.
09/02/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	9000 0 0	2300 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
Little John Lgn Strm 283-1213									
08/03/1994	ARNIE SHAUL	Stream Mouth Bay	E F	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	DISTANCE SURVEYED: PARTIAL. Nothing in creek and saw nothing on flats. Did not survey lagoon.
08/14/1994	ARNIE SHAUL	Stream Mouth Bay	E G	0 0 0	0 0 0	0 0 0	1200 0 0	900 7000 0	DISTANCE SURVEYED: ENTIRE SURVEY. Lagoon too choppy, saw nothing along spit.
08/22/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	2200 0 0	2500 10000 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/27/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	1300 0 0	8600 5000 0	DISTANCE SURVEYED: ENTIRE STREAM.
Little John Lgn SSpt 283-1212									

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	0	1000		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Nothing in creek.	
		Mouth	G	0	0	0	0	400		
		Bay		0	0	0	0	0		
Cannery Creek 283-1211										
08/27/1994	ARNIE SHAUL	Stream	G	0	0	0	500	200	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	P	0	0	0	0	0		
		Bay		0	0	0	0	0		
Middle Lagoon 283-1205										
07/23/1994	ARNIE SHAUL	Stream	G	0	1100	0	0	0	DISTANCE SURVEYED: LAGOON BELOW WEIR.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
07/29/1994	ARNIE SHAUL	Stream	E	0	1800	0	0	0	DISTANCE SURVEYED: LAGOON BELOW WEIR.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/01/1994	BOB BERCELI	Stream	G	0	2000	0	0	0	DISTANCE SURVEYED: LAGOON BELOW WEIR. Jumpers in lower lagoon, just below weir site and pothole.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	250	0	0	0	DISTANCE SURVEYED: LAGOON BELOW WEIR.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/14/1994	ARNIE SHAUL	Stream	F	0	0	0	0	0	DISTANCE SURVEYED: LAGOON BELOW WEIR. Several hundred reds, poor light. Could see jumpers only in deep water.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/27/1994	ARNIE SHAUL	Stream	F	0	700	0	0	0	DISTANCE SURVEYED: LAKE AND LAKE OUTLET. 100 in lake, 300 in outlet, 300 schooled off mouth of outlet.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
09/06/1994	ARNIE SHAUL	Stream	G	0	9100	100	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Coho in lower end. 1,000 reds spawning in outlet channel, balance in lake, 80% spawning.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
09/20/1994	ARNIE SHAUL	Stream	F	0	10300	0	0	0	DISTANCE SURVEYED: LAKE AND OUTLET. 500 reds were in outlet.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Hansen's Creek 283-1201									
07/29/1994	ARNIE SHAUL	Stream	G	0	0	0	1400	0	DISTANCE SURVEYED: CREEK ONLY.
		Mouth	G	0	0	0	2000	0	
		Bay		0	0	0	0	0	
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	19800	0	DISTANCE SURVEYED: CREEK ONLY.
		Mouth		0	0	0	700	0	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	G	0	500	0	38000	0	DISTANCE SURVEYED: ENTIRE SYSTEM. Good escapement.
		Mouth	G	0	0	0	2000	0	
		Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	50000	0	DISTANCE SURVEYED: CREEK ONLY.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Deadman's Cove 284-6008									
07/25/1994	ARNIE SHAUL	Stream	G	0	200	0	20000	0	DISTANCE SURVEYED: ENTIRE STREAM. Reds in lake, pinks in lower 1/2 mile.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/01/1994	BOB BERCELI	Stream	P	0	0	0	12200	0	DISTANCE SURVEYED: ENTIRE STREAM. Heavy overcast - could see fish in lower portion. Lots of jumpers off mouth.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/03/1994	ARNIE SHAUL	Stream	G	0	0	0	17000	0	DISTANCE SURVEYED: ENTIRE STREAM. Lots of jumpers off mouth.
		Mouth	P	0	0	0	0	0	
		Bay		0	0	0	0	0	

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	58000	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	P	0	0	0	0	0	
		Bay		0	0	0	0	0	
08/12/1994	ARNIE SHAUL	Stream	G	0	0	0	65000	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/18/1994	ARNIE SHAUL	Stream	G	0	1400	0	0	0	DISTANCE SURVEYED: LAKES ONLY. 1,200 in upper lake, rest in next lake southeast of upper lake.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	165000	0	DISTANCE SURVEYED: ENTIRE STREAM. Looks good.
		Mouth	P	0	0	0	0	0	
		Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	102000	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth	F	0	0	0	4000	0	
		Bay		0	0	0	0	0	
Whalebone Bay 284-6007									
07/25/1994	ARNIE SHAUL	Stream	F	0	200	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM. Cherokee survey.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/01/1994	BOB BERCELI	Stream	G	0	400	0	0	0	DISTANCE SURVEYED: ENTIRE STREAM.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL	Stream	G	0	350	0	2300	0	DISTANCE SURVEYED: ENTIRE STREAM. 100 reds in upper pond, 700 pinks in creek above weir lake.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	2000	0	DISTANCE SURVEYED: ENTIRE STREAM. 800 above lake, 1,200 in outlet.
		Mouth		0	0	0	0	0	
		Bay		0	0	0	0	0	
Sankin Bay Creek 284-6006									

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Stream	Date	Observer	Location	Visi- bility	Species					Observer	Remarks
					Chinook	Sockeye	Coho	Pink	Chum		
	08/01/1994	BOB BERCELI	Stream	G	0	0	0	200	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	400	0		
			Bay		0	0	0	0	0		
	08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	28000	0		DISTANCE SURVEYED: ENTIRE STREAM. Stream absolutely stuffed with pinks in lower end.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	17000	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	4000	0		
			Bay		0	0	0	0	0		
Whirl Point 284-6005											
	08/03/1994	ARNIE SHAUL	Stream	E	0	0	0	0	0		DISTANCE SURVEYED: ENTIRE STREAM. Nothing.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	800	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	P	0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	4700	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	1000	0		
			Bay		0	0	0	0	0		
	08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	5000	0		DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	G	0	0	0	3000	0		
			Bay		0	0	0	0	0		
Ikatan River 284-6004											
	08/01/1994	BOB BERCELI	Stream	G	0	0	0	2200	0		DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		
	08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	10000	0		DISTANCE SURVEYED: CLEAR TRIBUTARIES ONLY.
			Mouth		0	0	0	0	0		
			Bay		0	0	0	0	0		

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Stream Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
				Chinook	Sockeye	Coho	Pink	Chum	
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	16000 0 0	3000 0 0	DISTANCE SURVEYED: ENTIRE STREAM. 2,000 pinks in north clear tributary, rest in south clear tributary.
Swede's Lake 284-6003									
08/03/1994	ARNIE SHAUL	Stream Mouth Bay	E	0 0 0	50 0 0	0 0 0	0 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Cherokee survey.
08/22/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	40 0 0	0 0 0	400 500 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/28/1994	ARNIE SHAUL	Stream Mouth Bay	G G	0 0 0	0 0 0	0 0 0	400 3000 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
Ikatan Pt Stream 284-6001									
07/25/1994	ARNIE SHAUL	Stream Mouth Bay	G P	0 0 0	0 0 0	0 0 0	100 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/01/1994	BOB BERCELI	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	3600 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/03/1994	ARNIE SHAUL	Stream Mouth Bay	E P	0 0 0	0 0 0	0 0 0	4700 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM. Several jumpers at mouth.
08/10/1994	ARNIE SHAUL	Stream Mouth Bay	G P	0 0 0	0 0 0	0 0 0	6600 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.
08/22/1994	ARNIE SHAUL	Stream Mouth Bay	G	0 0 0	0 0 0	0 0 0	22000 0 0	0 0 0	DISTANCE SURVEYED: ENTIRE STREAM.

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	35200	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	F	0	0	0	4000	0		
		Bay		0	0	0	0	0		
Dora Harbor - Left 285-5000										
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	800	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	500	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	900	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	G	0	0	0	1000	0		
		Bay		0	0	0	0	0		
Otter Cove, North 285-4009										
07/25/1994	ARNIE SHAUL	Stream	G	0	0	0	200	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/01/1994	BOB BERCELI	Stream		0	0	0	3700	0	DISTANCE SURVEYED: ENTIRE STREAM. All in lower portion.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/10/1994	ARNIE SHAUL	Stream	G	0	0	0	5900	0	DISTANCE SURVEYED: ENTIRE STREAM. Poor light.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		
08/22/1994	ARNIE SHAUL	Stream	G	0	0	0	7000	0	DISTANCE SURVEYED: ENTIRE STREAM. Disappointing after seeing Ikatan Bay streams and even 4008.	
		Mouth		0	0	0	2000	0		
		Bay		0	0	0	0	0		
08/28/1994	ARNIE SHAUL	Stream	G	0	0	0	13400	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth	F	0	0	0	0	0		
		Bay		0	0	0	0	0		
Otter Cove, South 285-4008										
07/25/1994	ARNIE SHAUL	Stream	G	0	0	0	100	0	DISTANCE SURVEYED: ENTIRE STREAM.	
		Mouth		0	0	0	0	0		
		Bay		0	0	0	0	0		

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Stream	Date MM-DD-YYYY	Observer	Location	Visi- bility	Species					Observer Remarks
					Chinook	Sockeye	Coho	Pink	Chum	
08/01/1994	BOB BERCELI		Stream	G	0	0	0	1700	0	DISTANCE SURVEYED: ENTIRE STREAM. All in lower portion.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/10/1994	ARNIE SHAUL		Stream	F	0	0	0	4000	1000	DISTANCE SURVEYED: ENTIRE STREAM. Poor light.
			Mouth		0	0	0	0	0	
			Bay		0	0	0	0	0	
08/22/1994	ARNIE SHAUL		Stream	G	0	0	0	8000	0	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth		0	0	0	4000	0	
			Bay		0	0	0	0	0	
08/28/1994	ARNIE SHAUL		Stream	G	0	0	0	8600	700	DISTANCE SURVEYED: ENTIRE STREAM.
			Mouth	F	0	0	0	0	0	
			Bay		0	0	0	0	0	

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